work excerpt

JUNIOR ARCHITECTURAL DESIGNER

Anthony M Giannini

Master of Architecture 2012 University of California, Berkeley

4920 Coronado Ave, Oakland, CA 94618 USA T: +1 510.516.GIAN E: labamg@gmail.com

www.labAMG.com

7 September 2012

Hiring Manager Diller Scofidio + Renfro 601 W. 26th Street, Suite 1815 New York, NY 10001

RE: Junior Designer/Architect Position

Dear Hiring Manager,

I would love to be considered for a junior architectural designer position at Diller Scofidio + Renfro. This past May I was honored with the top student architectural award, AIA Henry Adams Award, upon receiving my Master's of Architecture degree from the University of California, Berkeley (UCB).

Through extensive research during the past couple years at UCB, I have developed an expertise in digital design, including parametrics, animation, responsiveness and visualization and computeraided-manufacturing including 3D-Printing and fused-deposition-modeling. I passionately believe in the power of digital design and its implications for improving the way in which architecture is conceived of and fabricated. Furthermore, while working on my Bachelor of Science in Architecture degree at the University of Idaho, I gained an exceptionally strong practical foundation of architecture including building construction, material properties and architectural representation. This technical knowledge, coupled with extensive building time on construction sites has allowed me to understand the complexities and details of design implementation.

I have acquired professional experience with a couple of award-winning architecture firms in California during the past couple years including Endrestudio and Veev Design. Duties included construction documents, RFI's, business development, office management, CAM modeling, 3d-modeling, visualization and conceptual design. I have substantial knowledge of a wide variety of computer software, which is outlined in my CV. Beyond the attached Work Excerpt, it is imperative that you see my time-based visualization and I request that you please visit my webpage at www.labAMG.com to see a hand-ful of my architectural animations/videos.

I am currently working as an Independent Contractor to local firms in the California Bay Area as a designer and visualizer where I have proven the efficiency of my workflow. I seek a full-time opportunity at your pioneering firm in NY where I can be immersed in a challenging and rewarding workplace that enables me to develop as an aspiring architect. Thank you for your consideration.

Sincerely Anthony M Giannini



Arthory M Giannin Lood E, Baler Archeteurs 200 Address Composition of the Laboration Composition of the Laboration of				
Address Construction of the second			2008	Llovd E. Stalker Architecture Scholars
2009 000 Super Local Sup			2006	Academic Competitiveness Grant Sch
Anthony M Ciannini Micro 2005 00 Ma Ciannini Micro 2005 00 Ma Ciannini Micro 2005 00 Ma Ciannini Micro 2007 00 Ma Ciannini Mater 2007 00 Ma Cianni Mater			2006-05	Idaho Bohart Lee Promise Scholarshi
2013 2013 2013 2013 2013 12012 Contrast As: Deline, 24 Mill USA in Hill Contrast As: Deline, 24 Mill Contrast As: Deline, 24 Mill Contrast As: Deline, 24 Mill Contrast in Hill Contrast As: Deline, 24 Mill Contrast in Hill Contrast As: Deline, 24 Mill			2000 00	Lipivorsity of Idaha Achiovament Scho
Anthony M Giamini, M Gold Bushin, M Gold Bushin, M Californi, M Gold Bushin, M Californi, M Gold Californi, M Gold Bushin, M Californi, M Gold Bushin, M Californi, M Gold Bushin, M Californi, M Ca			2003	University of Idaho Achievenient Scho
Anthony M Giannini Di Scoreado An, Guian (A VPI BLOA La Scoreado An, Guian (A VPI BLOA MADA Canon Wand ADMAG com www.ADMAG com www.ADMAG com www.ADMAG com www.ADMAG com www.ADMAG com www.ADMAG com better in Score and www. 2010 2010 Score and www. 2012 Beneticy (Chain La W 2010 2010 Score and www. 2010 2010 Score and www. 2010 2010 Compared to performed to perform			2005	Idano Academic Scholarship
Anthony M Giannini SIZE Contrasto. As. Deland, CM. MRITURA T + 15 00 1000000000000000000000000000000				
Attoopy M Giannini *Exhibition 4280 Controls And Colored A 49191 USA 500 URCE: Exhibition of deel 2012 www.LB8AWG.com 2012 2010 Control 2012 Control 2010 Control 2012 Control 2010 Control 2012 Control 2010 Control 2012 Control 2012 Control 2012 Control<			Publications	
APPER Convertion American CAN 44911 USA En 1900 EN Convertion American CAN 44911 USA www.LBAMG.com 0012 2010 EN Convertion American Convertion Converting Converting Converting Convertion Convertion Converting Convertio		Anthony M Giannini	+ Exhibitions	
ALEJ Conference 2017 SPURCE Exclusion www.LASMAG.com 2017 SPURCE Exclusion 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2018 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2019 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2019 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2019 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2019 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2019 2010 2012 University of California, Berkeley, Colege of Swammerke Cesign 2019 2011 2012 Duriversity of California, Berkeley, Colege of Swammerke Cesign 2019 2012 [current] University of California, Berkeley, Colege of Swammerke Cesign 2010 2011 [current] Work as at Independent Contractor of the child current B& Ard B May 2010 Statusy Barkeley 2011 [current] Work as at Independent Contractor of the child current B& Ard B May 2010 Statusy Barkeley 2011 [current] Contractor of Ard B Ard B May 2010 2009-039 2011 [current] Contractor of Ard B Ard B May 2010 2009-039 2011 [current] Contractor of Ard B Ard B May 2010 2009-030				
1013 1013		4920 Coloniado Ave, Okakano, CA 94618 OSA	2012	SOURCE Exhibition of thesis work at
wmel.AdAMS.com 2012 ARCA.com 3020 where well Education 2012 Marker Advancemental Design 2010		1: +1 STU.STU.GIAN E: labamg@gmail.com	2012	FuturesPlus.net Thesis work feature
Implifiers annersphare Market Process annersphare Education 2019 Market Print Bay Are Links 2010 Market Print Bay Are Links 2010 Market Print Bay Are Links 2010 2011 2010 2			2012	ARQA.com Studio work with Pablo 2
Education 2012 Make Fair Bay Area Environmental Despin 2012 Make Fair Bay Area Environmental Despin 2012		www.LABAMG.com		http://arqa.com/esp/proyectos/mater
Education 2011 2012 Berkeley Cross EAA 2010-0019 University of California, Berkeley College of Environmenter Design Master of Architecture (MArchit March 2012 AAA Henry Areams Award 2009 2009 2005-2010 University of Halon College of AA Architecture Beneveo of Genore in Architecture (B.A. Architecture Beneveo of Genore in Architecture) (B.A. Architecture) Works as an Independent Contractor for architecture) usagin and visualization under exquedited conditions. 2000 0. Omme. Bairing Strengersity (B.G. Architecture) 2012 [current] Arkite Design. Benkeley, CA Works as an Independent Contractor for architecture) usagin and visualization under exquedited conditions. Technical Skills 2013 [current] University of California, Berkeley, CA Art In duce asset in to Usagin, and Earthage, BAA, SE, P.E. I helpod facilitate the servicely septomabilities Including construction documents, F.N., offen management, business development, design and visualization. Modelsin Benever, Benever Architecture Benever, Benever Benever, Benever			2012	Maker Faire Bay Area Exhibited the
Education 2010 University of California. Barkeley: Onlage of Sovtommenta Design 2000 20			2011	2012 Berkeley Circus Exhibition of a
2010-2017 Unisenity of California Berkeley Collago of Envormental Design Aki Horry Agenta Avanta Material (Avantation III) Fundity May 2012 Aki Horry Agenta Avanta 2009 3009 2005 2010 2005 2010 2005 2010 2005 2010 2005 2010 2005 2010 2005 2010 2005 2010 2005 2010 <t< td=""><td>Education</td><td></td><td>2010</td><td>"Interactive Literacy Center a Fun F</td></t<>	Education		2010	"Interactive Literacy Center a Fun F
2010-2013 University of California, Berkeley (Calegor is Activity and Lengy: Mass of Activity Alams Anato 2006 30-Rga Feature in the Outer 2009 30-Rga Feature in the Outer 2009 2006-2010 University of Idato Colego and Art & Architecture Bachoor of Scance in Architecture Cale				2010 Boise State University College c
Make of Architecture (May 2012) Terrarity Butterset by State 2009 <t< td=""><td>2010-2012</td><td>University of California, Berkeley College of Environmental Design</td><td>2009</td><td>3-Page Feature in the Quarterly maga</td></t<>	2010-2012	University of California, Berkeley College of Environmental Design	2009	3-Page Feature in the Quarterly maga
2005-2010 University of tables Oxigen AAR Architecture Benetised as a top architecture Summa Cum Laude - 4.0 GPA Study Abreed 2005-2010 University of tables Oxigen AAR Architecture Burners Cum Laude - 4.0 GPA 2011 Origin Summa Cum Laude - 4.0 GPA 2012 Lourners Cum Laude - 4.0 GPA 2011 Origin Summa Cum Laude - 4.0 GPA 2011 Origin Summa Cum Laude - 4.0 GPA 2012 Lourners Cum Laude - 4.0 GPA 2011 Commission Cum Laude - 4.0 GPA Engletise It was engletise It was reported to exclusion Commission Cum Laude - 4.0 GPA 2012 Lourners II Avia Design Burkely, CA Work as an Indeparted Contractor for exclutionation in the UGB CED Graduate Otico using the latest COMMUM toomologies with Yeor Design. Technical Skills 2011 Liniversity of Califering Endex (PA Architecture Commission Col Design and Earoste & A holocid aluminum wall in the UGB CED Graduate Otico using the latest Commission Col Design and Earoste & A holocid aluminum wall in the UGB CED Graduate Otico using the latest Commission Col Design with Yeor Design. Pertico Computer Alded Colling Endex (PA Architecture Computer Alded Design work and ste analysis on a 3.000 of custom home. Addxte Periode Colling Endex (PA Architecture Nodo cum Colling Contractor Alocinet (PA Architecture Computer Alded Design work and ste analysis on a 3.000 of custom home. Addxte Protosbop and endex (PA Architecture Stetemart Periode Colling Contractor Alocinet (PA Architecture Stetemart 2005-2006 Sheat Architecture Periode Colling Contractor Alocinet (PA Architecture Stetemart 2005-2006 Sheat Architecture Periode Collin		Master of Architecture [M.Arch] May 2012		Tenacity Buttressed by Scholarships".
2008-2010 University of Idaho College of Art & Architecture Bachadron & Scance in Architecture (ES. Arch) May 2010 Study Abreed 2017 Chine: Bachedron & Scance in Architecture (ES. Arch) May 2010 2011 Chine: Bachedron & Study Abreed 2018 [current] Avia Design. Backedy, CA 2011 Chine: Bachedron & Study Abreed 2012 [current] Avia Design. Backedy, CA 2009-08 Technical Skills 2012 [current] Avia Design and Bioched a folded duminum wall in the UDB CED Graduate Office using the latest Computer Model Skills Phincenes 4.0 - 5.0 2011 [summer] Enfortestudio Architectufficationes: Enzywalic CA Commissiones to Design and Bioched a folded duminum wall in the UDB CED Graduate Office using the latest including construction documents, FRF, effice management, business dovelopment, cosgn and visualization. Technical Skills Phincenes 4.0 - 5.0 0.0 2011 [summer] Enfortestudio Architectufficationes: Enzywalic CA As the dinder addistant to Te Phrocal, Phal Enfortes, FRF, FFE, Theiped facilitate the weystey responsabilities including construction devise mayles on a 3.000 di action tome. Adotas Phincenes 4.0 - 5.0 0.0 2005-2008 Phincenes Design. Design Phincenes 1.0 Computer Actine Design Phincenes 1.0 Design Phincenes 1.0 Design Phincenes 1.0 2005-2008 Phincenes Design Phincenes 1.0 Computer Actines Design Phincenes 1.0 Design Phincenes 1.0 Design Phincenes 1.0 2005-2008		AIA Henry Adams Award	2009	University of Idaho College of Art &
2008-2010 University of Idaho College of Art & Architecture Bachder of Stancin Architecture [ES Arch] May 2010 Burman Cum Laute - 4.0 GPA 2011 Others Beiling, Stenghel, Ch 2012 [curron] 2012 [curron] Avita Design Borkoly, CA Work as an Independent Contractor for erchitectural design and visualization under expectited conditions. 2009 08 2009 08				Featured as a top architecture studen
Bachward Schenzel m Architecture [B.S.Avch] May 2010 Study Abroad Experience 2011 Chine: Being, Shangha, Ch. 2012 [current] Avia Design, Borkely, CA. 2003-08 Empired: London. Singhton 2012 [current] University of Calinonia, Berkeley Borkely, CA. 2003-08 Empired: London. Singhton 2012 [current] University of Calinonia, Berkeley Borkely, CA. Computer Montologies with versity of Calinonia, Berkeley Borkely, CA. Computer Montologies with versity of Calinonia, Berkeley Borkely, CA. 2011 [current] University of Calinonia, Berkeley Borkely, CA. Computer Montologies with versity Borkelia, CA. Computer Montologies with versity Borkelia, CA. 2011 [current] Schedersberke Design. Conf. Rep., FMA, EE, PE, I helped facilitate the everyday responsibilities including construction documents, RFIs, oftee management, business development, design and Misalization. Adobe Photostender werdar Horde Borkelia, Borkelia, Status, Status	2005-2010	University of Idaho College of Art & Architecture		
Summa Cum Lauda - 4.0 GPA Setting Experience 2011 Chine: Beijing, Sherdysi, Ch 2005-2006 England. Lauda - 4.0 GPA 2012 [current] Ania Design Borkety, CA 2005-2006 England. Lauda - 4.0 GPA 2012 [current] University of California, Berkeley, Berkeley, CA 2005-200 England. Lauda - 4.0 GPA 2012 [current] University of California, Berkeley, Berkeley, CA Technical Skills Phinoseney 4.0 - S.D. askin 2011 [summer] England. Lauda - 4.0 GPA Mode Science - 4.0 - S.D. askin Mode Science - 4.0 - S.D. askin 2011 [summer] Enderstudio Architectil[Engineers EnseryWils, CA Mode Science - 4.0 - S.D. askin Mode Science - 4.0 - S.D. askin 2003 [summer] Stonebridge Longel Luca - Adves CA Advesse - 4.0 - S.D. askin Mode Science - 4.0 - S.D. askin 2003 [summer] Stonebridge Longel Luca - Adves CA Advesse - 4.0 - S.D. askin Mode Science - 4.0 - S.D. askin 2003 [summer] Stonebridge Longel Luca - Adves CA Advesse - 4.0 - S.D. askin Mode Science - 4.0 - S.D. askin 2003 [summer] Stonebridge Longel Luca - Adves CA Advesse - 4.0 - S.D. askin Mode Science - 4.0 - S.D. askin 2004 [summer]		Bachelor of Science in Architecture [B.S.Arch] May 2010	Study Abroad	
Experience 2011 Christ-Edging, Sharghol, CM, 2003-08 2003-08 2003-08 2003-08 2012 [ourner] Avia Design, Berkeley, CA, 2003-08 2003-08 2003-08 England: Cankhon, Bigdhol, CM, 2003-08 2012 [ourner] Objective of an intergeneration Contractor for antiliectural design and visualization under expedited conditions. Technical Skills England: Cankhon, Bigdhol, CM, 2003-08 2011 [summer] Endestudio ArchitectSEnglangers: Encryphile, CA, 2003-08 Endestudio ArchitectSEnglangers: Encryphile, CA, 2003-08 Photosens 4.0 - 5.0 advance 4.0 - 5.0 2008 [summer] Endestudio ArchitectSEnglangers: Encryphile, CA, 2003-08 Endestudio ArchitectSEnglangers: Encryphile, CA, 2003-08 Bintocence 4.0 - 5.0 advance 4.0 - 5.0 2008 [summer] Stonebridge Homes LLC Cosur of Mana, D Computer Model and stan analysis on a 3.0005 custom home. Addace Photosehop advanced advance 4.0 - 5.0 2006 2003 Parkwood Covelops and maintains business parks. Dutes included an essentment of building construction and maintainsce. Addace National advanced advance 4.0 - 5.0 2011 2012 Barcklay, Cacuu Mani, Advanced Capino Studio, ICA 2016 Custom Arkene 4.0 - 5.0 Standarbarce 4.0 - 5.0 Standarbarce 4.0 - 5.0 2012 2012 2012 Darkelay Advanced Advanced Capino Studio, CG 2017 of Standarbarce 4.0 - 5.0 Advanced Advanced Advanced Capino Studio, CG 2017 of Standarbarce 4.0 - 5.0 2013 2014 2012 2012 2012 2012 2012 2012 2012		Summa Cum Laude - 4.0 GPA		
Experience Control Notes to particulation into the particulatin into the particulation into th			2011	China: Baijing, Shanghai, Changdu
2012 [summ] Avia Design Barkator, CA 2009-08 England. Loncols, Bighter 2012 [summ] University of California, Berkeley, Bockoly, CA 2009-08 England. Loncols, Bighter 2012 [summ] University of California, Berkeley, Bockoly, CA Technical Skills 2011 [summe] Commissioned to design and tabricate a tolical summure wall in the UCB CED Graduate Office using the latest Computer Model and tabricate a tolical summure wall in the UCB CED Graduate Office using the latest Modeling 2011 [summe] Enderstuid Architects[Englenes: Energylile, CA Modeling Modeling As the direct sessistent to the Principal, Paul Endres, FAA, SE, PE, I helped facilitate the everyday responsibilities including construction documents, FRFs, office management, business development, design and visualization. Addobe Photoshop advanced and summure site analysis on a 3,600st custom home. 2005-2008 Parkwood Business Properties. Coeur d'Alene, ID Enderstuid Architecture Engling professional-gua metanemence. Addobe 2005-2008 Parkwood Business Properties. Coeur d'Alene, ID Enderstuid Architecture Engling professional-gua metanemence. Addobe 2005-2008 Parkwood Business Properties. Coeur d'Alene, ID Engline Computer Madd Design Compotition Bighter there in-Design professional-gua metanemence. 2006 Computer Alded Design work and size analysis on a 3,400st custom home. Addobe Animation/Mideo 2012 Alene A	Experience		2011	Invited to participate in the internation
2012 [zument] Avia Design Barkely, CA 2003-00 Elige includior, 2003-00 Elige includior, 2003-00 Elige includior, 2003-00 2012 [zument] University of California, Berkeley, Berkeley, CA Commissioned to design and fabricate a folded aluminum wall in the UCB CED Graduate Office using the latest Computer Reinfordia, 2003-00 Rindocers 4.0 - 5.0 advanced aluminum wall in the UCB CED Graduate Office using the latest Computer Reinfordia, 2003-00 Rindocers 4.0 - 5.0 advanced aluminum wall in the UCB CED Graduate Office using the latest 2011 [summer] Enderstudio Architectis[Engineers Energy/lile, CA As the direct assistant to the Principal, Paul Endres, FAA, SE, PE, I helped facilitate the everyday responsibilities includior gradianteria, FRFs, office management, basiness development, design and visualization. Addee Photoshop advanced alub attribute averyday responsibilities included on advanced alub attribute averyday responsibilities included and advanced response averyday responsibilities included and develops and maintains business parks. Dudies included an assortment of building construction and maintains business parks. Dudies included an assortment of building construction and maintains business parks. Dudies included an assortment of building construction and maintains business parks. Dudies included according to the highest facastic accord at the U of 1 Addee Photoshop advanced and Advanced Advanced Advanced Advanced Code of the highest facastic accord at the U of 1 Do Sh Max advanced Advance	•			England, Landan Brighton
Work as an independent Contractor for architectural design and visualization under expedited conditions. 2009 (allow for allow for architectural design and visualization under expedited conditions. 2009 (allow for allow for architectural design and visualization under expedited conditions. 2009 (allow for allow for allow for architectural design and visualization under expedited conditions. 2012 [ournent] University of California, Berkeley, Berkeley, CA Commissionation documents. BRIS, office management, business development, design and visualization. Computer Model allow for	2012 [current]	Avila Design Berkeley, CA	2009-08	
Construction Construction Technical Skills 2012 [current] University of California, Berkely, Berkely, CA CAD/CAM technologies with View Design. Shote Skills Computer Mode align Rhinoceros 4.0 - 5.0 adva Grasshopper : complax par Mode align Shote Skills 2011 [summer] Enderstudia ArchitectigEngineers Energylike, CA As the direct assistant to the Principal, Paul Endres, FAA, SE, PE, I helped facilitate the overyday responsibilities including construction documents, PFIs, office management, business development, design and visualization. Adobe Principal Paul Biological Paul Sketchillug 2006 [summer] Stonebridge Homes LLC Coair d/Alene, ID Parkwood Business Properties Coair d/Alene, ID Dubate Marked Advanced /Alene Paul Back Scheler, ID Parkwood Business Properties Coair d/Alene, ID Dubate Marked Advanced /Alene Paul Back Scheler, ID 2001 21 Place: ElliptiGD World Heedquarters Design Competition 2002 11 Place: BliptGD World Heedquarters Design Competition 2003 11 Pla	[]	Work as an Independent Contractor for architectural design and visualization under expedited conditions	2009-08	Italy: venezia, Firenze
2012 [current] University of California, Barkeley, CA International Computer Mathemates Indeed Juminum wall in the UCB CED Graduate Office using the latest Computer Computer California, Barkeley, CA 2011 [summer] Endrestudio Architects[Engineers Enzywille, CA Computer Antibiotects[Engineers Enzywille, CA, As the dioder aussistent to the Principa Plane, IA, SE, PE, I holged facilitate the everyday megone/biblios including construction documents, PFIs, office management, business development, design and visualization. Addbe Photoshop advanced and Max advanced visuationance. 2005-2008 Parkwood Business Properties Coard Alene, ID Photoshop advanced Alene, ID Photoshop advanced and Max advanced visuation advanced visuationance. 2005-2008 Parkwood Business Properties Coard Alene, ID Photoshop advanced Alene, ID Photoshop advanced Alene, ID 2005-2008 Parkwood Business Properties Coard Alene, ID Photoshop advanced Alene, ID Bost Max advanced Alene Alexande Alene Alexande A				
Loss [colors] Commissioned to design and labrate a loked aluminum wall in the UCB CED Graduate Office using the latest CAD/CAM technologies with Veev Design. Phinoceros 4.0 - 5.0 adva Grasshopper complex par- Mode advanced sub-sum Job Studie Max. advanced Job Max. advanced Job Studie Studie Max. advanced Job Studie Studie Job Studie Max. advanced Job Studie Studie Job Studie Max. advanced Job Studie Studie Job Studie Max. advanced Job Studie Max. advanced Job Studie Studie Job Studie Max. advanced Job Studie Max. advanced Job Madon-Trackling Job Studie Max. advanced Job Madon-Tr	2012 [current]	University of California Berkeley, Berkeley, CA	lechnical Skills	
CAD/CAM technologies with View Design. Computer Computer Mindeeres 4.0 - 5.0 advanced 2011 [summed] Endrestudio Architects[Engineers: Emaryulia; CA As the direct assistant to the Principal. Paul Endres, FAA, SE, PE, I helped facilitate the evenyday responsibilities including construction documents, RFIs, offlee management, business development, design and visualization. Addote Mode advanced sub-suiter avanced sub-suiter 2006 [summet] Stonebridge Homes LLC Coace of Alene, (D Computer Alexan Pegetas Coace of Alene, (D Parkwood Business Properties Coace of Alene, (D Parkwood develops and maintains business parks. Duties included an assortment of building construction and maintenance. Addote Photoshop advanced and H Illustration advanced vice and an advanced vice advanced vice advadvan		Commissioned to design and fabricate a folded aluminum wall in the LICB CED Graduate Office using the latest		
Modeling Modeling Grasshopper Complex plan 2011 [summer] Endrestudio Architects[Engineers Emerywle, CA As the direct assistant to the Principal, Paul Endres, FAIA, SE, PE, I helped facilitate the everyday responsibilities including construction documents, FRPs, office management, business development, design and visualization. Adobe Pathotecture Revit Architecture Revit Architecture Parkwood Business Properties Ocean of Alexance of Alexance and maintenance. Adobe Photoshop advanced and Illustrator advanced rector hobesing professional-qua Dreamware basic web of Atter Effects advanced of photo Syntheyes advanced from Syntheyes advanced from Synth		CAD/CAM technologies with Very Design	Computer	Rhinoceros 4.0 - 5.0 advanced mo
2011 [summar] Endrestudio Architects[Engineers EmoryNilo, CA As the direct assistant to the Principal, Paul Endres, FAIA, SE, PE, I helped facilitate the everyday responsibilities including construction documents, RFN, Sidoe management, business development, design and visualization. Mode advanced sub-suffa AutoCad Architecture Reviet Architecture 2008 [summar] Stonebridge Homes LLC Coour d'Alene, ID Computer Aided Design work and site anaylsis on a 3.600sf custom home. Acdobe Photoshop advanced and in- Sketchup 2005-2008 Parkwood Business Properties Coeur d'Alene, ID Parkwood develops and maintains business parks. Duties included an assortment of building construction and maintenance. Acdobe Photoshop advanced wetor In-Design professions-Poug Design and maintains business parks. Duties included an assortment of building construction and maintenance. 3DS Max advanced, Acdo Atter Effects advanced wetor In-Design professions-Poug Design advanced application advanced application. 3DS Max advanced, Acdo Syntheyes advanced photo Syntheyes advanced application. 2012 AN Henry Adams Award UC Berkeley Architecture Highest Honors 2012 Animation/Video Mainon-Tracking Manufaculing 3DS Max advanced, Acdo Syntheyes advanced application. SDS Max advanced application. 2012 Exited Profession Poug 2012 2012 Berkeley Circus Merit Advanced Option Situio. Design Competition 2012 SDS Max advanced application. SDS Max advanced Advanced application. SDS Max advanced Advanced application. 2013 115 Pace: ElliptiGO Wond Headigardon		OAD/OAIvi technologies with veev besign.	Modeling	Grasshopper complex parametric n
2011 pointinel Endoesduced assistant to the Principal, Paul Endres, FAA, SE, PE, I helped facilitate the everyday responsibilities including construction documents, PFIs, office management, business development, design and visualization. 30D Studio Max advanced, AutoCad Architecture Revit Archite Revit Revit Architecture Revit Archite Revit Revit Re	2011 [ourmor]	Endrostudio ArchitectolEngingero Empruillo CA		Modo advanced sub-surface mode
Auto due to the assistant to the Philippa, Pail Endoes, Pay, Se, Pe, Thegle Diabitaties indexiding construction documents, Phile Stationses development, design and visualization. AutoCad Architecture Sketchup 2008 [summer] Stonebridge Homes LLC Coeur d'Alene, ID Computer Aided Design work and site anaysis on a 3,600sf custom home. Adoba Photoschop advanced and in lituitation advanced and in lituitation advanced work and and in animitations business parks. Duties included an assortment of building construction and maintains business parks. Duties included an assortment of building construction and maintains business parks. Duties included an assortment of building construction and maintains business parks. Duties included an assortment of building construction and maintains business parks. Duties included an assortment of building construction and maintains business parks. Duties included an assortment of building construction and maintains business parks. Duties included an assortment of building construction and maintains business parks. Duties includes an assortment of building construction and maintains business parks. Duties includes an assortment of building construction and maintains business parks. Duties includes an assortment of building construction and maintains business parks. Duties includes an assortment of building construction and maintains business duvanced duties advanced work advanced and in the highest duvanced duties. Animation/Video Alter Effects advanced duties advanced and in Modo 601 Advanced Animet Adva	ZUTT[Summer]	Endrestudio Architects Englineers Entrefyville, CA		3D Studio Max advanced photorea
2008 [summer] Stonebridge Homes LLC Coour d'Alene, ID Computer Aided Design work and site analysis on a 3,600sf custom home. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site analysis on a 3,600sf custom home. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site analysis on a 3,600sf custom home. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site analysis on a 3,600sf custom home. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site analysis on a 3,600sf custom home. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site analysis on a 3,600sf custom home. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site included an assortment of building construction and maintenance. Adobe Photoshop advanced and i likitation advanced vector in h-Design work and site with advanced vector in h-Design competition function. Syntheyes advanced vector in h-Design competition function. 2012 AlA Henry Adams Award UC Berkeley Architecture Highest Honors 2011 2012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley 2012 Syntheyes advanced work Motoon Tracking 2013 Syntheyes advanced work Motoo Advanced and i Motoon Tracking 2014 Syntheyes advanced kno 2014 Syntheyes advanced kno 2014 Laser Cuting advanced kno 2015 Syntheyes advanced kno 2016 Laser Cuting advanced kno 2016 Laser Cuting advanced kno 2016 Syntheyes advanced kno 2017 Laser Cuting advanced kno 2016 Laser Cuting advanced kno 2016 Laser Syntheyes Con		As the direct assistant to the Principal, Paul Endres, FAIA, SE, PE, The pediacintate the everyday responsibilities		AutoCad Architecture
2006 [summe] Stonebridge Homes LLC Coeur d'Alene, [D Computer Aided Design work and site anaylsis on a 3,600st custom home. Adobe Photoshop advanced and illustrator advanced vector in Users Properties. Coeur d'Alene, [D maintenance. Parkwood Business Properties. Coeur d'Alene, [D Busine Alene Alene Alene Alene Alene Alene. Parkwood Business Properties. Coeur d'Alene, [D Busine Alene Assine Stries Strie Busine 2000		including construction documents, RFIS, once management, business development, design and visualization.		Revit Architecture
2006 jsummer Stonebrage Homes LLC Coeur d'Alene, ID Computer Alded Design work and site anaytiss on a 3.600sf custom home. Adobe Photoshop advanced and illustrator advanced vactor in-Design professional-qua Dreanweaver basic web d Atter Effects advanced vice preamweaver basic web d Atter Effects advanced vice Motion-Tracking Syntheys advanced vice Motion Atter Effects advanced vice advanced kno prese Maka Space Consortino 2000 2nd Place: Using Redesign Competition 2002 1st Place: Motion Bosing Competition 2002 1st Attor Day Logo Design Competition 2002 1st Attor Day Logo Design Competition 2003 1st Place: Motion Active Atter Motion 2004 1st Place: Motion Active Atter Maka 2005 Attra Street Suite 112 2004 Advanced Place Beinford 2005 215t Attor Day Logo Design Competition 2006 Attra Effects advanced vice 2007 2806 Design Competition 2007 1st Place: Motion Advanced Place Beinford 2008 Attra Street Suite 112 2009 Advanced Place Beinford 2009 Attra L Touter Achitecture Department Awards 2000 Advalue Estreet Suite 112 2000 Advalue Bernd	0000 []			Sketchup
Computer Aided Design work and site analysis on a 3,000s custom nome. Adobe Photoshop advanced and i liuistrator advanced with n-Design professional-que presumeauer basic web di maintenance. 2005-2008 Parkwood develops and maintains business parks. Duties included an assortment of building construction and maintenance. Adobe Photoshop advanced with in-Design professional-que Dreamweauer basic web di Maintenance. Honors + Awards Animation/Video 3DS Max advanced with Motion-Tracking 3DS Max advanced with Motion-Tracking 2012 AIA Henry Adams Award <i>UC Berkeley Architecture Highest Honors</i> Animation/Video 3DS Max advanced with Mode 061 advanced and in Mode 061 advanced and in Manufacuring advanced kno Field Place: MSK hourse propertion Scholarship Advanced kno Field Place: MSK hourse propertion Laser Cutting advanced kno Field Place: MSK hourse propertion 2002 1st Place: NASK hourse propertion Field Place: MSK hourse propertion 4005 Harian Street Suith 112 4005 Harian Street Suith 112 4005 Harian Street Suith 112	2008 [summer]	Stonepridge Holdes LLC Coeur d'Alene, ID		
2005-2008 Parkwood Business Properties Coeur d'Alene, ID Illustrator advanced vectors Parkwood develops and maintains business parks. Duties included an assortment of building construction and maintainance. Illustrator advanced vectors Honors Animation/Video Aritre Effects advanced vectors + Awards Animation/Video Associate of the company of the compa		Computer Alded Design work and site analysis on a 3,600st custom nome.	Adobe	Photoshop advanced and realistic g
2005-2008 Parkwood develops and maintains business parks. Duties included an assortment of building construction and maintenance. In-Design protessional-quar Dreamweaver basic web of After Effects advanced wide maintenance. Honors Animation/Video 3DS Max advanced photo. 2012 AIA Henry Adams Award. UC Berkeley Architecture Highest Honors Motion-Tracking 3DS Max advanced photo. 2011 2012 Berkeley Circus Merit Award. Advanced Option Studio, UC Berkeley Animation/Video 3DS Max advanced anima Adobe OH advanced onimation. 2010 2nd Place: ElliptiGO World Headquarters Design Competition Elliption. Syntheyes advanced anima Adobe After Effects advanced proteins advanced knot for the station Design Competition Barkwood developsion. Sonthal Syntheyes advanced knot for the station Design Competition 2009 2nd Place: StelliptiGO World Headquarters Design Competition Baiges Annual ICMA CMU Fire Station Design Competition Baiges Advanced knot for the static trans the state trans the stat				Illustrator advanced vector-based d
Parkwood develops and maintains business parks. Duties included an assortment of building construction and maintenance. Dreamweaver basic web d After Effects advanced vide After Effects advanced vide After Effects advanced vide Honors + Awards Animation/Video Motion-Tracking 3DS Max advanced vide Advanced vide 2012 AIA Henry Adams Award UC Berkeley Architecture Highest Honors 2011 Animation/Video Motion-Tracking 3DS Max advanced vide Motion-Tracking 2011 2012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley 2010 2010 2nd Place: ElliptiGO World Headquarters Design Competition Elliptigo Inc. Advanced Vide Adobe After Effects advanced vide Motion-Tracking 2010 2nd Place: BliptiGO World Headquarters Design Competition Elliptigo Inc. Place: Bliptigo Inc. 3D-Printing advanced vide Manufacuring Bare Cutting advanced vide Manufacuring 2009 1st Place: Sth Annual ICMA CMU Fire Station Design Competition 2003 The Place: IL Engineering Studio Redesign Competition Busice Place Fire 15 10 898 6960 E: Indiag 4053 Harlan Street Suite 113 2012 1st Place: Lyon's Club Art Competition Fire 16 (51) UC Berkeley Architecture Department Awards Fire 16 (51) 207 290 E Redes 2000 Advanced vide Eriptice E	2005-2008	Parkwood Business Properties Coeur d'Alene, ID		In-Design professional-quality page
maintenance. After Effects advanced vide Honors Animation/Video 3DS Max advanced vide 2012 AIA Henry Adams Award UC Berkeley Architecture Highest Honors Motion-Tracking 3DS Max advanced onition 2011 2012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley Computer Aided Laser Cutting advanced anite 2010 Jesse Buchanan Plaque Honors Honors undergraduates with the highest possible scholastic record at the U of 1 Computer Aided Laser Cutting advanced kno 2009 1st Place: 39th Annual ICMA CMU Fire Station Design Competition Manufacuring 3D-Printing advanced kno 2009 2nd Place: NASA Space Consortium Design Competition Manufacuring SD-Printing advanced kno 2003 1st Place: INFS Club Art Competition Henore Studio Redesign Competition Henore Studio Redesign Competition Henore Studio Redesign Competition 2002 1st Place: Uncompetition Henore Studio Redesign Competition Henore Studio Redesign Competition Henore Studio Redesign Competition 2002 1st Place: Uncompetition Henore Studio Redesign Competition Henore Studio Redesign Competition Henore Studio Redesign Competition 2012 1st Place: Ly		Parkwood develops and maintains business parks. Duties included an assortment of building construction and		Dreamweaver basic web design
Honors Animation/Video Animation/Video SDS Max advanced photo. 2012 AIA Henry Adams Award <i>UC Berkeley Architecture Highest Honors</i> Motion-Tracking SDS Max advanced motii 2011 2012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley Computer Aided Syntheyes advanced motii 2010 2nd Place: ElliptiGO World Headquarters Design Competition Elliptigo Inc. Computer Aided Laser Cutting advanced alvanced alvanced alvanced alvanced alvanced alvanced kno 2009 1st Place: 38th Annual ICMA CMU Fire Station Design Competition Support The advanced alvanced kno Manufacuring SD-Printing advanced kno 2009 2nd Place: ASME Lounge Redesign Competition Eliptico The advanced is supported to the big of the b		maintenance.		After Effects advanced video compi
+ Awards Animation/Video Motion-Tracking 3DS Max advanced photo. Motion-Tracking 2012 AIA Henry Adams Award UC Berkeley Architecture Highest Honors 2011 2012 Berkeley Circus Ment Award Advanced Option Studio, UC Berkeley 2010 2012 Derkeley Circus Ment Award Advanced Option Studio, UC Berkeley 2010 2012 Derkeley Circus Ment Award Advanced Option Studio, UC Berkeley 2010 2012 Derkeley Circus Ment Award Advanced Option Studio, UC Berkeley 2010 2012 Derkeley Circus Ment Award Advanced Option Studio, UC Berkeley 2010 2012 Derkeley Circus Ment Award Advanced Option Studio, UC Berkeley 2010 2014 Deace: IlliptiGO World Headquarters Design Competition 2014 Place: SME Lounge Pedesign Competition 2009 2nd Place: ASME Lounge Pedesign Competition 2009 2nd Place: ASME Lounge Pedesign Competition 2002 1st Place: Lyon's Club Art Competition 2002 1st Place: Lyon's Club Art Competition 2002 2nst Arbor Day Logo Design Competition 2002 1st Arbor Day Logo Design Competition 2002 References Paul Endres FAIA, SE, PE, 1:+1 510 898 6096 E: Info@ 2005 Harian Street Suite 113 2005 Harian Street Suite 113 2005 Harian Street Suite 113 2005 Harian Street Suite 113 2005 Harian Street Suite 113 2006 Arbitrue Lorouse Scholarship 2007 Malcolm Reynolds Prize UC Berkeley 2009 Arthur L. Troutner Architecture Scholarship 2009-08-07 Binett Access Scholarship 2009-08-07 Binett Access Scholarship 2009-08-07 Bareevarm Choksombatch 1:+1 415 621 6521 E: Info@ 40 Grace Street, Street Suite Bareevarm Choksombatch 2005-08-07	Honors			
2012 2011AlA Henry Adams Award UC Berkeley Architecture Highest Honors 2011Motion-Tracking 2012Syntheyes advanced notic Modo 6012011 20122012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley 20102nd Place: ElliptiGO World Headquarters Design Competition Illiptigo Inc. 2010Syntheyes advanced anime Adobe After Effects advanced anime Adobe After Effects2010 20092nd Place: IBliptiGO World Headquarters Design Competition 2009Ist Place: S9th Annual IOMA CMU Fire Station Design Competition 2009Computer Aided Manufacuring 2009Laser Cutting advanced Motion Manufacuring 20092009 20092nd Place: UL Engineering Studio Redesign Competition 2002Ist Place: NASA Space Consortium Design Competition 2002Sphtheyes advanced motic Manufacuring 20092002 20021st Place: Lyon's Club Art Competition 2002Ist Arbor Day Logo Design Competition 2002ReferencesPaul Endres FAIA, SE, PE, T: +1 510 898 6980 E: Info@ 4053 Harlan Street Suite 1132012-11-10 2012-11-10(5) UC Berkeley Architecture Department Awards 2009 2010 2010ReferencesRonald Rael Associate Pro T: +1 (510) 207-2960 E: r@e 2000 Actine Street Suite 342012-11-10 2009 2009-08-07 2009-076Idencing Participa Scholarship 2009 2009-08-07Barret Architecture Scholarship Advanced ScholarshipReveran Choksombatch 49 Grace Street Suite 342009-08-07 2009-08-07Idendo Opportunity ScholarshipFire 1135 627 6577 E: info@ 49 Grace Street Suite 34Reveran Choksombatch 49 Grace Street Suite 34	+ Awards		Animation/Video	3DS Max advanced photorealistic n
2012AIA Henry Adams Award UC Berkeley Architecture Highest HonorsMode Of advanced ontoin Mode Of advanced ontoin Adobe After EffectsMode Of advanced animal Adobe After Effects20112012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley 20102nd Place: ElliptiGO World Headquarters Design CompetitionElliptigo Inc. Laser CuttingAdobe After EffectsAdvanced animal Adobe After Effects2010Jesse Buchanan Plaque Honors Honors undergraduates with the highest possible scholastic record at the U of I 2009Computer AidedLaser CuttingAdvanced kno Advanced kno Fused Deposition20091st Place: SME Lounge Redesign CompetitionManufacuring3D-Printingadvanced kno Fused Deposition Modeling20031st Place: NASA Space Consortium Design CompetitionFused CompetitionFused Deposition Modeling20021st Arbor Day Logo Design CompetitionFileT: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department AwardsFr.+1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10UC Berkeley Graduate Division AwardZ200 Adeline Street Suite 342012-11-10UC Berkeley Graduate Division AwardZ200 Adeline Street Suite 342012-01-11-10UC Berkeley Graduate Division AwardReveevent Choksombatch T: +1 415 621 6597 E: info@ 49 Grace Street, San France2009Arthur L. Troutner Architecture ScholarshipReveevent Choksombatch T: +1 415 621 6597 E: info@ 49 Grace Street, San France2009-08-07Idaho Opportunity Scholarship49 Grace Street, San France <td></td> <td></td> <td>Motion-Tracking</td> <td>Syntheves advanced motion-tracki</td>			Motion-Tracking	Syntheves advanced motion-tracki
20112012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley 2nd Place: ElliptiG0 World Headquarters Design Competition 2009Adobe After Effects advanced advanced advanced statue2010Jesse Buchanan Plaque Honors Honors undergraduates with the highest possible scholastic record at the U of I 2009Computer Aided ManufacuringLaser Cutting 3D-Printing advanced kno Fused Deposition Modeling 200920092nd Place: 39th Annual ICMA CMU Fire Station Design Competition 20092nd Place: ASME Lounge Redesign Competition 2009Super Virus Advanced Kno Fused Deposition Modeling 200920092nd Place: NASA Space Consortium Design Competition 20021st Place: Lyon's Club Art Competition 2002Step Station Design Competition20021st Place: Lyon's Club Art CompetitionEfferencesPaul Endres FAIA, SE, PE, T: +1 510 898 6060 E: info@ 4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department Awards 2012-11-10Konald Reel Associate Proc 2200 Adeline Street Suite 3132012-11-10UC Berkeley Graduate Division Award 2009Arthur L. Troutner Architecture Scholarship 20092009Arthur L. Troutner Architecture Scholarship 2009-08-07Iden Opportunity Scholarship2009Arthur L. Troutner Architecture Scholarship 2009-08-07Burnett Access Scholarship 49 Grace Street, San Francis	2012	AIA Henry Adams Award UC Berkeley Architecture Highest Honors	Weter Haering	Modo 601 advanced animation and
20102nd Place: ElliptiGO World Headquarters Design Competition Elliptigo Inc.Accord Attac Ellects advanced state2010Jesse Buchanan Plaque Honors Honors undergraduates with the highest possible scholastic record at the U of IComputer Aided ManufacuringLaser Cutting advanced sta20091st Place: SME Lounge Redesign CompetitionManufacuring3D-Printing advanced kno Fused Deposition Modeling20092nd Place: UI Engineering Studio Redesign CompetitionFused Deposition Modeling20021st Place: Lyon's Club Art CompetitionFused Deposition Modeling20021st Place: Lyon's Club Art CompetitionReferencesPaul Endres FAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department AwardsRonald Rael Associate Pro 21 et al.2012-11-10UC Berkeley Graduate Division Award2009 2009 Arthur L. Troutner Architecture ScholarshipReveevant Choksombath Reveevant Choksombath T: +1 415 621 6597 E: info@ 2009-08-07 2009-08-07Raveevant Choksombath 49 Grace Street, San Francis	2011	2012 Berkeley Circus Merit Award Advanced Option Studio, UC Berkeley		Adobe After Effects advanced skills
2010Jesse Buchanan Plaque Honors Honors undegraduates with the highest possible scholastic record at the U of I Stheac: 39th Annual ICMA CMU Fire Station Design Competition 2009Computer Aided ManufacuringLaser Cutting 3D-Printing advanced sin 3D-Printing advanced kno Fused Deposition Modeling 2003Laser Cutting advanced kno Fused Deposition Modeling 200320092nd Place: ASME Lounge Redesign Competition 20092nd Place: UI Engineering Studio Redesign Competition 2003The Place: UI Engineering Studio Redesign Competition 2002Paul Endres FAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 11220021st Place: Lyon's Club Art Competition 2002The Architecture Department AwardsPaul Endres FAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1122012-11-10(5) UC Berkeley Architecture Department AwardsT: +1 (510) 207-2960 E: r@ 2009Paul Endres FAIA, SE, PE, T: +1 (510) 207-2960 E: r@ 20092012-11-10UC Berkeley Graduate Division Award 2009Walcolm Reynolds Prize UC Berkeley 2009Reveevan Choksombatch T: +1 415 621 6597 E: info@ 49 Grace Street, San Francis20098009-08-07Burnett Access Scholarship 49 Grace Street, San FrancisReveevan Choksombatch T: +1 415 621 6597 F: info@ 49 Grace Street, San Francis	2010	2nd Place: ElliptiGO World Headquarters Design Competition Elliptigo Inc.		
20091st Place: 39th Annual ICMA CMU Fire Station Design Competition20192010202020202020Printingadvanced kno Fused Deposition Modeling20092nd Place: UI Engineering Studio Redesign Competition20092nd Place: UI Engineering Studio Redesign Competition20092nd Place: UI Engineering Studio Redesign Competition20092nd Place: Lyon's Club Art Competition20021st Place: Lyon's Club Art Competition20021st Place: Lyon's Club Art Competition200920021st Arbor Day Logo Design Competition20021st Place: Lyon's Club Art Competition20092012-11-10(5) UC Berkeley Architecture Department AwardsT: +1 510 898 6960 E: info@4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department AwardsT: +1 (510) 207-2960 E: r@c2009 Arthur L. Troutner Architecture Scholarship2009Arthur L. Troutner Architecture Scholarship2009Arthur L. Troutner Architecture ScholarshipRaveevarn Choksombatch2009-08-07Idaho Opportunity Scholarship1daho Opportunity Scholarship49 Grace Street, San Francis	2010	Jesse Buchanan Plague Honors Honors undergraduates with the highest possible scholastic record at the U of I	Computer Aided	Lacor Cutting advanced skills and k
20092nd Place: ASME Lounge Redesign CompetitionSD-Finiting advanced who Fused Deposition Modeling20092nd Place: Ul Engineering Studio Redesign CompetitionFused Deposition Modeling20031st Place: NASA Space Consortium Design CompetitionFused Deposition Modeling20021st Place: Lyon's Club Art CompetitionReferencesPaul Endres FAIA, SE, PE, T: +1 510 898 6960 E: info@20021st Arbor Day Logo Design CompetitionReferencesPaul Endres FAIA, SE, PE, T: +1 510 898 6960 E: info@2012-11-10(5) UC Berkeley Architecture Department AwardsRonald Rael Associate Pro T: +1 (510) 207-2960 E: r@c 2009 Adduite Division Award2012-11-10UC Berkeley Graduate Division Award2000 Adeline Street Suite 342012Malcolm Reynolds Prize UC BerkeleyReveevan Choksombatch T: +1 415 621 6597 E: info@ 49 Grace Street, San Francis2009-08-07Burnett Access ScholarshipFurther Access Scholarship	2009	1st Place: 39th Annual ICMA CMU Fire Station Design Competition	Monufocuring	2D Drinting advanced knowledge
2009 20032nd Place: UI Engineering Studio Redesign CompetitionPused Deposition Nodeling20031st Place: NASA Space Consortium Design Competition200220021st Place: Lyon's Club Art Competition200220021st Arbor Day Logo Design CompetitionReferences20021st Arbor Day Logo Design CompetitionReferences2012-11-10(5) UC Berkeley Architecture Department Awards7: +1 510 898 6960 E: info@2012-11-10UC Berkeley Graduate Division Award7: +1 (510) 207-2960 E: r@@2012-11-10UC Berkeley Graduate Division Award2200 Adeline Street Suite 342012-11-10UC Berkeley Graduate Division Award2200 Adeline Street Suite 342012-11-10Walcolm Reynolds Prize UC BerkeleyRevevan Choksombatch T: +1 415 621 6597 E: info@2009-08-07Burnett Access ScholarshipT: +1 415 621 6597 E: info@2009-08-07Idaho Opportunity Scholarship49 Grace Street, San Francis	2009	2nd Place: ASME Lounge Redesign Competition	Manufacuning	SD-Finiting advanced knowledge a
20031st Place: NASA Space Consortium Design Competition20021st Place: Lyon's Club Art Competition20021st Arbor Day Logo Design Competition20021st Arbor Day Logo Design CompetitionScholarships + GrantsT: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department Awards2012-11-10(5) UC Berkeley Graduate Division Award2012-11-10UC Berkeley Graduate Division Award2012-11-10UC Berkeley Graduate Division Award2009Arthur L. Troutner Architecture Department Awards2009Arthur L. Troutner Architecture Scholarship2009-08-07Burnett Access Scholarship2009-08-07Idaho Opportunity Scholarship2009-08-07Idaho Opportunity Scholarship	2009	2nd Place: Ul Engineering Studio Bedesign Competition		Fused Deposition Modeling advan
Sold1st Place: Lyon's Club Art CompetitionReferencesPaul EndresFAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 113Scholarships + GrantsReferencesPaul EndresFAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10 2012-11-10(5) UC Berkeley Architecture Department Awards 2012-11-10Ronald RaelAssociate Pro T: +1 (510) 207-2960 E: r@e 2200 Adeline Street Suite 342012-11-10 2009UC Berkeley Graduate Division Award 2009Malcolm Reynolds Prize UC Berkeley 2009 Arthur L. Troutner Architecture ScholarshipRaveevan Choksombatch T: +1 415 621 6597 E: info@ 49 Grace Street, San Francis	2003	1st. Place: NASA Space Consortium Design Competition		
20021st Arbor Day Logo Design CompetitionReferencesPaul EndresFAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 113Scholarships + Grants<	2002	1st Place: Lyon's Club Art Competition		
Scholarships + GrantsFererencesPaul Endres FAIA, SE, PE, T: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department AwardsRonald Rael 2012-11-10Associate Pro T: +1 (510) 207-2960 E: r@e 2200 Adeline Street Suite 342010Malcolm Reynolds Prize UC Berkeley 2009Arthur L. Troutner Architecture ScholarshipRaveevan Choksombatch T: +1 415 621 6597 E: info@ 49 Grace Street, San Francis	2002	1st Arbor Day Logo Design Competition	D (
Scholarships + GrantsI: +1 510 898 6960 E: info@ 4053 Harlan Street Suite 1132012-11-10(5) UC Berkeley Architecture Department AwardsRonald Rael Associate Pro T: +1 (510) 207-2960 E: r@e 2012-11-102012-11-10UC Berkeley Graduate Division Award 2010Malcolm Reynolds Prize UC Berkeley 2009Arthur L. Troutner Architecture Scholarship2009-08-07Burnett Access Scholarship 2009-08-07T: +1 415 621 6597 E: info@ 49 Grace Street, San Francis	2002		References	Paul Endres FAIA, SE, PE, Principal
+ Grants 4053 Harlan Street Suite 113 2012-11-10 (5) UC Berkeley Architecture Department Awards Ronald Rael Associate Program 2012-11-10 UC Berkeley Graduate Division Award 7: +1 (510) 207-2960 E: r@ed 2010 Malcolm Reynolds Prize UC Berkeley 2200 Adeline Street Suite 34 2009 Arthur L. Troutner Architecture Scholarship Raveevan Choksombatch 2009-08-07 Burnett Access Scholarship T: +1 415 621 6597 E: info@ 2009-08-07 Idaho Opportunity Scholarship 49 Grace Street, San Francis	Scholarships			1: +1 5 10 898 6960 E: Info@endrestu
2012-11-10(5) UC Berkeley Architecture Department AwardsRonald RaelAssociate Pro2012-11-10UC Berkeley Graduate Division AwardT: +1 (510) 207-2960 E: r@e2010UC Berkeley Graduate Division Award2200 Adeline Street Suite 342010Malcolm Reynolds Prize UC Berkeley2000 Adeline Street Suite 342009Arthur L. Troutner Architecture ScholarshipRaveevarn Choksombatch2009-08-07Burnett Access ScholarshipT: +1 415 621 6597 E: info@2009-08-07Idaho Opportunity Scholarship49 Grace Street, San Francis	+ Grants			4053 Harlan Street Suite 113, Emeryv
2012-11-10(5) UC Berkeley Architecture Department AwardsRonald RaelAssociate Pro2012-11-10UC Berkeley Graduate Division AwardT: +1 (510) 207-2960 E: r@e2010UC Berkeley Graduate Division Award2200 Adeline Street Suite 342010Malcolm Reynolds Prize UC Berkeley2200 Adeline Street Suite 342009Arthur L. Troutner Architecture ScholarshipRaveevan Choksombatch2009-08-07Burnett Access ScholarshipT: +1 415 621 6597 E: info@2009-08-07Idaho Opportunity Scholarship49 Grace Street, San Francis				
2012 FT 10(b) 00 Berkeley Achitecture Department Awards2012-11-10UC Berkeley Graduate Division Award2010Malcolm Reynolds Prize UC Berkeley2009Arthur L. Troutner Architecture Scholarship2009-08-07Burnett Access Scholarship2009-08-07Idaho Opportunity Scholarship2009-08-07Idaho Opportunity Scholarship	2012-11 10	(5) LIC Berkeley Architecture Department Awards		Ronald Rael Associate Professor at
2012 FirstColl Berkeley Graduate Division Award2200 Adeline Street Suite 342010Malcolm Reynolds Prize UC Berkeley20092009Arthur L. Troutner Architecture ScholarshipRaveevan Choksombatch2009-08-07Burnett Access ScholarshipT: +1 415 621 6597 E: info@2009-08-07Idaho Opportunity Scholarship49 Grace Street, San Francis	2012-11-10	UC Rotzolay Graduata Division Award		T: +1 (510) 207-2960 E: r@el.net
2010Macount Reynolds Prize OC berkeley2009Arthur L. Troutner Architecture Scholarship2009-08-07Burnett Access Scholarship2009-08-07Idaho Opportunity Scholarship	2012-11-10	Malaalm Davaalda Driza, LIC Parkalay		2200 Adeline Street Suite 340, Oaklar
2009Arthur L. mouther Architecture ScholarshipRaveevarn Choksombatch2009-08-07Burnett Access ScholarshipT: +1 415 621 6597 E: info@2009-08-07Idaho Opportunity Scholarship49 Grace Street, San Francis	2010	Arthur L. Trouteer Arabiteeture Sebelerabie		
2009-08-07Burnett Access Scholarship2009-08-07Idaho Opportunity Scholarship49 Grace Street, San Francis	2009	Armur L. Houther Architeoture ocholarship Rumott Access Sabalarahin		Raveevarn Choksombatchai Assoc
2009-00-07 Idano Opportunity Scholarship 49 Grace Street, San Francis	2009-00-01	Durrier Access Scholarship		T: +1 415 621 6597 E: info@veevdes
	2009-08-07			49 Grace Street, San Francisco, CA 9

ship holarship ip olarship

At the Headquarters Gallery in Berkeley, Ca ed, 7 August 2012 Zunzunegui, Material Intelligence was published Aug 1st, 2012 rial-intelligence.html esis work, UCB Group received the Editor's Choice Award outstanding student work, UCB CED **Path to Reading, Learning**": Studio work was featured. of Education News: April 2010. azine: **HERE WE HAVE IDAHO** "A Student Perspective: Genius and '. Donna Emert. & Architecture Website ht at the University of Idaho

nal design competition, Vertical Cities Asia

odeling techniques, Plug-Ins: Grasshopper, Elk, Firefly modeling eling techniques, advanced animation & rendering alistic rendering Mental Ray, animation, daylighting analysis Climate Consultant climate analysis using EPW Ecotect climate simulation and analysis

graphic and photo manipulation liagrams & graphic design layout and organization

iling, editing and effects

rendering and animation with MentalRay ing for placing computer generated models into real video footage I rendering techniques for professional quality video Is in compiling and editing real video footage with CG.

knowledge in material properties machine maintenance and skills with Z-Corp 3D-Printers need knowledge and skills with plastic extrusion printers

I at Endrestudio udio.com ville, CA 94608 USA

University of California, Berkeley - Principal at Rael San Fratello Architects

nd, CA 94607

ciate Professor at University of California, Berkeley - Principal at VeevDesign sign.com 94103

RE•FUSE

"re-fusing refuse to create performative architecture, whereby alleviating societies of their state of refuse"

Our consumer-oriented society has created a shifting paradigm in which trash is now our largest renewable resource: a new non-natural nature. Paper and plastic comprise over 50% of the globe's landfill. When this waste is perceived as a new-natural resource it can be mined to produce the building materials of the future. It is imperative that we integrate this ubiquitous resource into emergent rapid manufacturing technologies coupled with a real-time, hands-on-digital approach. Americans alone, throw away enough office paper to build a 12' high wall from LA to NY and enough plastic bottles to circle the globe 4 times each year.

re-fuse explores how paper and plastic can be transformed into multi-performative materials—cellulose fiber and extruded recycled plastics, how these materials, when calibrated through digital design and fabrication processes, can create architectural skins that respond to views and light and create insulation and water proofing, and proposes a new vision for additive manufacturing at large scales.

Thesis Review 05 May 2012 UC Berkeley Wurster Hall New Gallery Review Committee

[RR] Ronald Rael
[LC] Leigh Christy
[PT] Peter Testa
[JA] Javier Arbona
[DG] David Gissen
[JS] Jill Stoner
[JB] Joseph Becker
[MK] Melanie Kaba
[DF] David Fletcher
[TB] Tom Buresh

Thesis Studio Director, UCB Writer/Architect Testa/Weiser SciArch Academic/Intellectual Experimental Historian, CCA Professor/Chair of Graduate Adv, UCB Curator SF MOMA Theorist Researcher, UCB Professor, CCA Chair, Department of Arch, UCB



Fall 2011 - Spring 2012 University of California, Berkeley Master's Thesis Instructor: Ronald Rael Rael San Fratello Architects 7

DEPOLOYABLE MACHINES PRINT BUILDING MODULES IN DEVELOPING COUNTRIES

.....

FALL 2011- SPRING 2012 RE•FUSE MASTER'S OF ARCHITECTURE THESIS

1200 1021 -1298 -441 -1298 -1298 -727 -547 -815 -886 7.61 835 -945 288398098 14 496 804 -1005 -959 -1060 -1014 -1103 -1064 -1137 -1104 0 0 -1164 DALLAR MALATA 20 17/219 200 édi

PERFORMATIVE FACADE: 3D-PRINTED PLASTIC AND PAPER MODULES





Left: 1:1 scale, re-fuse prototype wall. Fused-Deposition-Modeled recycled plastic shell, infilled with medium-coarse, binded waste paper. Each component is unique, being shaped by the grasshopper script to optimize sunlight control of the interior space. Actual dimensions: 36"W x 20"H.



FUSED DEPOSITION MODELED RE-FUSE PROTOTYPE WALL

.....

Below: Exploded diagram showing the digital disassembly of this variable component wall. Each component is unique with it's own label for reassembly. **Bottom:** Diagram showing the relationship between each unique module of the wall and how they are automatically laid out and fitted into the Z-Corp 8" x 8" printing beds for rapid manufacturing. **Right:** The realization of the digital diagram below: 3d-printed concrete prototype wall.

FALL 2011- SPRING 2012 RE•FUSE MASTER'S OF ARCHITECTURE THESIS





16

DIGITAL MODEL TO PHYSICAL REALIZATION: ASSEMBLY CASE STUDY



the structural properties of plastic and paper, 3d-prints a new made possible by non-axial 3d-printer robots. spatial bridging between the two buildings. Paper and plastic are negotiated for optimal material-to-structural efficiency. Paper is utilized as the compressive and insulative material while the plastic is used as the outer-shell, serving as the waterproof, tensile structure. **Below:** Proposed robot utilizing existing technologies: waste processing and additive manufacturing. Free from axial restraints, this 3d-printing robot can create large-scale buildings with a limitless array of typologies and building assemblies.

FALL 2011- SPRING 2012 RE•FUSE MASTER'S OF ARCHITECTURE THESIS

Right: The robots analyze the despaired space and, by utilizing Bottom: New, highly-performative wall typologies using paper and plastic







ROBOTICALLY 3D-PRINTED WALLS: NEW TYPOLOGIES CREATED FROM WASTE PLASTIC & PAPER

FALL 2011- SPRING 2012 RE•FUSE MASTER'S OF ARCHITECTURE THESIS



Right: World's first 3d-printed waste paper. These were the first successful prints using newspaper and binder in the ZCorp 310 3d-printer. April 2012.

WORLD'S FIRST 3D-PRINTED WASTE-PAPER

the_X

"Traditional architecture starts from the premise that architectural structures are singular and fixed . . . Emergence requires that the opposite is true – that those structures are complex energy and material systems that have a lifespan, exist as part of an environment of other active systems, and develop in an evolutionary way." Michael Weinstock

Natural structures are analyzed and understood as hierarchies of very simple components organized into constructs from the smallest arrangement of material, through successive subassemblies to the most complex – the whole organism or body. Properties and performances emerge that are more than the sum of their parts.

The aim of the project is to explore an integral design towards a multiprerogative material system that will act as structure and skin at the same time. The development of these systems will originate from the definition of their simplest constituents integrating manufacturing constraints and assembly logics in parametric components.

The research process includes the experimentation and learning of material in order to find its "intelligent" behavior. This new knowledge will be applied in the design of a physical system (phenotype) capable of self organizing into various configurations.

Human occupancy, in particular proximity and time lapse, will be the parameters that will define multispatial requirements. These requirements transfer to the phenotype, described by software- controlled parameters.

Consequently, the system design also includes the development of a parametric digital system containing the limits, laws, and possibilities allowed by the physical system. Dialogue between the environment and system is necessary. Sensors will take the information to our controller to then use the code to define the reaction of the entire system to the sensed impulse.



Fall 2011 University of California, Berkeley Arch 202 Advanced Option Studio *MATERIAL INTELLIGENCE* Instructor: Jordi Truco *HYBRIDa* Credits: Pablo Zunzunegui





Below: Once the component deformations and their proliferated relationships are properly analyzed, we can start to control the exact global form by telling each individual component which local deformation to take on. Each individual component has two main deformations: overlapping distance and rotation angle. These slight local changes can have dramatic effect on the overall form. Perfect freedom, however, is not permitted in a proliferated component form as there are specific restrictions and abilities of the system. Through a series of emperical and analytical studies, one must understand the behavioral characteristics of the system in order to capitalize on its unique abilities.

Below: Study model on the integration of waterproofing. Seeking an answer towards a more thermally appropriate component.

FALL 2011 the_X ARCH 202 ADVANCED OPTION STUDIO





ALGORITHMIC PROLIFERATION +

28

Below: Parametric scheme of two components producing local change. By throroughly investigating the local deformations of each physical component, we create a series of x,y,z points which all correlate to it's specific geometry. Using these points found from the physical model, we integrate them into a parametric definition in Grasshopper. This allows us to digitally represent the parametric relationships of an actual physical component.

FALL 2011 the_X ARCH 202 ADVANCED OPTION STUDIO





DIGITAL TECHTONICS



Bottom: First studies to produce dynamic local change on a single component. By creating a pully system and integrating the servo into each component, local change via arduino was first possible. With knowledge of how much deformation was desired, a series of gear ratios were created in order to control how much actual deformation occurred on the component.

FALL 2011 the_X ARCH 202 ADVANCED OPTION STUDIO





MECHATRONICS: INTEGRATION OF ACTUATORS AND ARDUINO

FALL 2011 the_X ARCH 202 ADVANCED OPTION STUDIO



ADAPTABLE HOUSE PHYSICAL PROTOTYPE

MODO CITY Multi Objective Design Optimization

"Everyone Needs Fresh Air"

Modo City proposes a super high-density 'New City' which provides homes, necessities and recreational space for 100,000 people as well as supporting and providing for on-site industry. The city is composed of a building system which is unique to its own site yet adaptable to a wide range of climates and cultures. The constituent parts of the building system are manufactured on-site employing a wide-range of skilled trade, business and agricultural workers in its development.

In general, the city is generated to accommodate the needs of its own citizens while also functioning as a tool for changing the larger ecology which is made possible due to its emmense scale. In Chengdu, one of the main issues at hand is the quality of air which our city addresses by incoporating filtration elements to cleanse the air as it moves throughout the city. Within the logic of a naturally occurring city growth, the comprehensive form of the towers simultaneously morph for optimal climate response. Tower structures and programs conglomerate around vast, cityscale voids. These voids behave as vertical-stack cylinders that, through pressure differentials, pulls up air from below. Before exiting the towers, the air is forced through a series of filters and finally through wind-turbines. Consequently, energy is created while naturally cooling the climate in and around vertical cities. By constantly parsing climate data, in particular wind conditions, the size of the massive internal air chambers fluctuate to create optimal air movement throughout the vertical city.

Ancient culture is imperitive to the Chengdu way of life. The calm climate and lifestyle deeply embedded within Chengdu culture was imperitive to preserve throughout these vertical cities. By taking the horizontal street life of current Chengdu and pulling it up into the city with a series of doublehelix ramps around the internal voids, we provide a new, but highly familiar lifestyle for residents throughout the entire verticality of the city. Surrounded by fresh air, these ramps become the 'streets' of a traditional cityscape.



Invited participant in the International Design Competition: VERTICAL CITIES ASIA

Spring 2010 University of California, Berkeley Arch 201 Studio: Case Studies in Design Instructor: Mark Anderson Anderson Anderson Architecture Credits: Pablo Zunzunegui, Marcy Monroe, Gabriella Aguirre, Micharel Bergin, Brian Gillette, Micah Burger, Mou Yujiang * Work shown was my contribution to the project.

deConstruction

"

generating an agricultural research facility through the deconstruction of existing spec-office buildings"







The new 577 Airport Blvd Building, located on the Anza Lagoon, plays a vital role in the re-situation of the site. Previously a sterile office complex, the site now brings life to the area by creating crucial links to the Burlingame neighborhood just due South. The main link across teh 101 not only links the neighborhood to the beautiful site, it also links the buildings themselves. This building, comprised of agricultural research facilities, is an export of domestic foods. The building adjacent is the agricultural hub of the area. With the connection of these buildings and the neighborhood, the locals have a never-ending connection with recreation, beauty and food. Here, Water, Earth, Air and Vegetation

Fall 2011 University of California, Berkeley Arch 201 Studio: Case Studies in Design Instructor: Jill Stoner





Left: Through the deConstruction of an existing spec office building, a machine was conceived. The north facade is utilized for a series of vertical hydroponic panels that can rotate down to a horizontal position for harvesting and maintenance. A series of thermally independent units are created on the southern side of the building, which allows for controlled experimentation and research for larger scale urban agriculture. At the third filoor, a horizontal walkway, linked from the city of Burlingame across the lagoon, is activated and serves as the output for the grown produce. Here, conventional farming methods are compared to urban growth techniques.

AGRICULTURE THROUGH SECTIONAL FUNCTION

ELLIPTIGO

ElliptiGo World Headquarters Redesign Competition

'ELLIPTIGO' is not simply an elliptical-bicycle: it is a LIFESTYLE. A lifestyle full of health, energy, activity, outdoors, happiness and social activities. It is an exceptionally bold scheme. The space of the ElliptiGO World Headquarters should exemplify these values and be a complete embodiment of ElliptiGO. The spirit of ElliptiGO and the programmatic functions and needs of its workers were coupled together in this design. By taking a very rational approach with ElliptiGO's needs and desires in first priority, the design is a literal translation of ElliptiGO. The space needs to feel open, fresh and energetic while fully functioning with adaptability and flexibility. The design features a boldly inserted, 'shell component' that functions as shelter, systems storage, equipment storage, acoustic containment and splendor. Due to its modular construction; it becomes mesenchymatic, lending itself to the temporal needs of the ever-growing ElliptiGO. There is a grand oscillation between the workers and the various spaces in the ElliptiGO space; therefore, the north side of the building is left open as a hallway. This allows efficient, non-interrupted flow of people, bikes and equipment. The workers all have different needs and desires; therefore the 'shell component' has been shaped to accommodate full gradients of quiet-to-loud spaces and private-to-public spaces. This design is ElliptiGO: Bold, Energetic, Flexible, Activating, Adaptable and Compelling



2nd Place Entry

Spring 2010 University Of Idaho Arch 454 Design Studio Instructor: Randal Teal

SPRING 2010 ELLIPTIGO ARCHITECTURAL DESIGN VI



1 lounge/bar-seating work stations section A.22 scale: ¹/₉ 1'







Modular System: Quick and affordable to construct. Flexible and Rhizomatic.

Storage: Space for storing equipment. Fully accessible.

Steel Stud Structure: Cost efficient and repetitive system.

Acoustic Panels: Provides ambient acoustic absorption while creating quiet rooms.

Wood Slats: Skin which provides further acoustic dampening.

www.labAMG.com Anthony M Giannini

Below Left: The redesign of the existing space is considered as a 'space within a space'. By inserting a modular system which hugs the south-side of the space, the north-side is freed up to accomodate the continual oscillation between the front and back of the space. A thickness is developed into the shell, behaving as the storage for electrical, mechanical and equipment. Through the subtraction of the modular shell, spaces are molded around the exact needs of Elliptigo. These spacesrespondtoprogrammaticfunctions as well as acoustic and privacy gradients.

Below Right: The modular shell is comprised of simple materials and assemblies for affordable and quick construction.

A MODULAR, SPACE-WITHIN-A-SPACE



SPRING 2010 ELLIPTIGO ARCHITECTURAL DESIGN VI

.....



MULTI-USE SPACE THROUGH MODULARITY

CMU FIRESTATION

⁶⁶39th Annual ICMA C.M.U. Firestation Design Competition"

This project received the 1st Place Prize of the 39th Annual Idaho Concrete Masonry Association (ICMA) Firestation design competition. The basic principle behind this competition was to utilize the CMU blocks in an innovative, efficient and creative manner to design a new firestation in Boise, Idaho. Firestations have an innate demand for a clear and logical layout with flexibility for future changes. Two longitudinal, CMU walls split the entire length of the building, forming the main structure, developing logical programmatic separation, allowing for efficient circulation and creating the opportunity for transient transverse walls. These movable transient walls create the necessary flexibility for inevitable programmatic changes throughout the lifespan of the station.

Passive design strategies are key in the long-term success of the building. By implementing horizontal louvres on the southern facade, daylight and heat gains are controlled. Thermal mass plays an integral role in providing comfort for the firefighters in the summer and winter while keeping overhead costs down.



1st Place Entry

Spring 2009 University of Idaho Arch 354 Design Studio Instructor: Frank Jacobus

University of Idaho Bachelor of Science in Architecture 2010 51

Below: A new Concrete Masonry Unit (CMU) detail was developed to allow for Right: The local climate of Boise, Idaho plays an integral role in the design of ribbon-windows while providing ample thermal dampending to the North. CMU partition walls to be placed in between with future mobility options.

interstitial space for maximum circulation efficiency to the apparatus. The public spaces are on the bottom level, the semi-public are in the middle level, and the private spaces are stacked on the top level, creating an appropriate privacy gradient.

SPRING 2009 CMU FIRESTATION ARCHITECTURAL DESIGN IV

the firestation. Horizontal louvres on the southern facade are sized to allow winter walls span the length of the building and serve as the main structure, allowing for sun penetration through the interstitial space and heat up the central, longitudinal wall for thermal mass heat transfer during the cold nights. These louvres do not allow direct summer sun to penetrate the space, which would add unwanted Along this North side, all program is stacked vertically to free the southern heat gains, but rather the light is diffused into the space.





CONCRETE MASONRY UNIT SOLAR AND PROGRAMMATIC RESPONSE

SPRING 2009 CMU FIRESTATION ARCHITECTURAL DESIGN IV

.....



CIRCULATION AND PROGRAMMATIC EFFICIENCY

.....