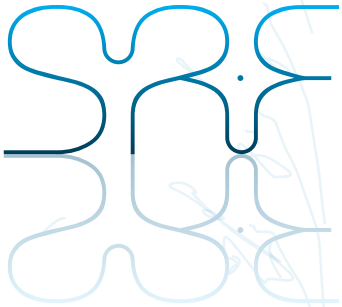


*"In the **waves of change**,*
we find our true direction."
—UNKNOWN

INTENT

Seeking a director, professor, and/or research position in the fields of design & architecture with the opportunity to lead a program, advise & educate students, develop curriculum, conduct design research, and actively participate in college governance & accreditation

INTERESTS: *Collective Intelligence, Maker Culture, Computational Design, and Emerging Media*

PHILOSOPHY

As a designer, professor, and maker, I cultivate professional & disciplinary "creative flows" —where symbiotic connections to energies beyond our human understanding coexist. Design, and life in general, is all about learning to balance and flow with these energies in our environment, complex systems, and diverse cultures. Whether in studio, teaching, or in a flow state, living an empathetic & adventurous journey drives my research and visual-spatial interests. In particular, exceeding boundary conditions to connect with dynamic systems and creative processes is invigorating. Visually, I'm highly influenced by Southern California and Polynesia's design and action sports communities. Intellectually, my research focuses on collective intelligence, maker culture, and emerging media. *Personally, I'm drawn to the unknown, the ocean, and optimism.*

STEVEN R. FUCHS, AIGA
Designer · Professor · Maker

linktr.ee/stevefuchs |
310·753·4050 |

EDUCATION

Doctor of Computer Science (2011–2012 *On-Hold*) ..... Colorado Technical University (CTU), Colorado Springs, CO
"Emerging Media" emphasis, 3 year program

Research — ***"Augmented Design Education"*** *(working title)*
A transdisciplinary design education curriculum & augmented creative collaboration platform

Sample Coursework
- *EM835 Information Accountability & Web Privacy* (Virtual Simulation) | Dr. Cynthia Calongne
- *CS820 Usability & Interaction* (Mobile Prototyping) | Dr. Mary Lind
- *CS806 Research Writing 2* (Literature Review) | Dr. Mary Lind
- *CS801 Research Writing 1* (Annotated Bibliography) | Dr. Danette Lance

Grant | NEAP Tuition Grant: *Employer-sponsored full scholarship*
Certifications | IRB Ethics Training 1: *Human Subjects Research*
| IRB Ethics Training 2: *Responsible Conduct of Research*

Master of Architecture II (2006) ..... Southern California Institute of Architecture (SCI-Arc), Los Angeles, CA
"Digital Design" emphasis, 2.5 years, GPA: 3.6 of 4

Thesis — ***"Coversion: Interactive Architectural Solution Networks"***
Design of a massively participatory network platform to radically challenge design expertise and educational methodologies, given cultural and technological evolution, by restructuring curriculum using spatial design and fabrication as facilitators of project-based learning

Committee — *Ed Keller & Juan Azulay (Co-Chairs), Lebbeus Woods & Wim de Wit (Distinguished Critics)*

Sample Coursework
- *Water, Infrastructure, Geopolitics: Urban Systems Management, Resource Flow, and the Networked City-State* (Studio) | Ed Keller, Juan Azulay, and Mojdeh Baratloo
- *Active Time in Landscape, Architecture, and Cinema* (Studio + Theory) | Ed Keller
- *Infrastructural Architecture* (Studio) | Marcelo Spina & Peter Testa
- *Indeterminate Architecture* (Studio) | Hernan Diaz Alonso & Elena Manferdini
- *Architecture Education for the 21st Century* (Research), *Design Intelligence* (Theory), *Theory & Digital Practices* (Theory) | Michael Speaks, Ph.D.
- *Digital Architecture: Fabricating Ideology* (Practice) | Joseph Rosa
- *Development of Practice* (Practice) | Paul Nakazawa
- *Interactive Architecture* (Elective) | Michael Fox
- *The Parametric Affect* (Elective) | Marcelo Spina & Dr. David Gerber

Invitee | AIA National Internship Conference: *Selected as an "Emerging Professional"*
Grant | Alumni Development: *Alumni President and Director of Development*
Award | Distinguished Service: *Outstanding service to school, Chief-of-Staff*

Bachelor of Science in Applied Science & Tech. (2004) ..... Thomas Edison State University (TESU), Trenton, NJ
"Architectural Technology" emphasis, 2 years (Transfer), GPA: 3.8

Award | Alpha Sigma Lambda National Honor Society: *Non-traditional excellence*

Associate of Arts (2002) ..... Los Angeles Harbor College (LAHC), Wilmington, CA
"Liberal Arts" emphasis, 1 year, GPA: 3.5

Associate of Science (2001)
"Architectural Technology" emphasis, 2 years, GPA: 3.5

Recognition | California State Senate: *Outstanding personal and scholastic achievement*
| California State Assembly: *Efforts to improve the community*
Grants | Department Development Grant: *Architecture department ID and website*
| Pacific Bell's "Education First": *Faculty Internet training and website*
Competitions | AIA California: Monterey Design Conference: *1st place, Associate essay*
| AIA Long Beach / South Bay: *1st place, Portfolio*
Awards | President's List, Full Time Dean's List, Alpha Gamma Sigma Honor Society

High School Diploma (1989) ..... San Pedro High School (SPHS), San Pedro, CA
"Vocational Architecture" emphasis, 3 years

Award | High Honors in Geometry *(Diploma Seal)*
Athletics | YMCA Surf Team

ACADEMIC (Current)

Fashion Institute of Design & Merchandising (FIDM)

B.A. DESIGN DEPARTMENT: Los Angeles, CA
June 2014 to Current

***Design Faculty** (Full-time & Part-time)*
B.A. Design, Interiors, Fashion, Foundations & Education Consulting

- Digital design emphasis to fortify all design programs, esp. B.A. Design, Interiors & Fashion
- Strategic development of curriculum with specialties in studio, theory, fabrication, and 3D
- Multidisciplinary availability across all departments, last-minute courses, and team player
- Advising and implementation of emerging technologies (courses, techniques, and ethics)
- Foundations in graphic and spatial design, including branding and design optimization

Courses

BDSN4920 | Special Projects (Programming & AI Electives) ..... 3 units (qtr)
BDSN3780 | Prototyping 3D Forms (Branding & Fabrication Studio) ..... 6 units
BDSN3500 | Human Dynamics (Human-Centered Design & Theory) ..... 3 units
DESN2530 | Computer-Aided Fashion Illustration 1 (Technical Flats) ..... 3 units
INTD4550A | Furniture Design 1 (Design & Fabrication Elective) ..... 3 units
INTD4530 | Practicum (Branding & Fabrication Studio) ..... 6 units
INTD4120 | Interior Product Design (Collaboration Studio) ..... 3 units
INTD1090B | Technical Drawing II (AutoCAD Technical Drawing) ..... 3 units
JDSN2500 | Computer-Aided Jewelry Design 2 (Rhino 2 for Jewelry) ..... 3 units
JDSN2100 | Computer-Aided Jewelry Design 1 (Rhino 1 for Jewelry) ..... 3 units
JDSN1500 | Introduction to CAD (Personal Branding & Portfolio) ..... 3 units
TECH1100 | Introduction to Adobe (Photoshop & Illustrator Foundations) ..... 3 units

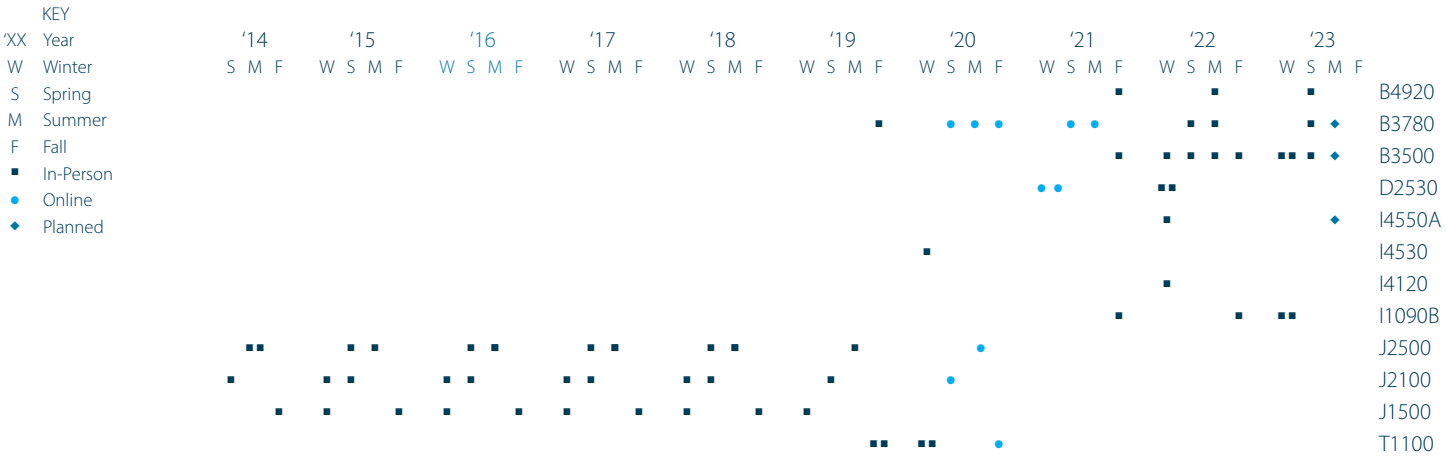
Committees

"In Service" Committee (campus-wide program reviews and departmental assessments)

Program

Curriculum Development (program/course review, creation, advocacy, and implementation)
Fundamental Design Skills (incorporation of design fundamentals and computation basics)
Emerging Technology Advocacy (hardware, software, platforms, and design culture)
Workshops (basic and advanced training in fabrication, 3D modeling, and graphic design)
Maker Culture Expert (best practices and student help in campus fabrication lab)
Departmental Support (studio and course reviews, substitutions, and feedback)
Mentorship & Letters of Recommendation (students, alumni, and faculty)

FIDM Courses (by semester & modality)



ACADEMIC (Current)

Orange Coast College (OCC)

ARCHITECTURE DEPARTMENT: Costa Mesa, CA
July 2012 to Current

***Professor** (Tenured, Full-time)*
Architecture Studio & Digital Fabrication

- Tenured position within a progressive architecture and environmental design program
- Strategic development of curriculum with specialties in design fundamentals & fabrication
- Collaborative design research using project-based learning in studio with fabrication lab
- Exploration of emerging technologies, including AR/VR and Artificial Intelligence (AI)
- Strong commitment to mentoring students, teaching assistants, and adjuncts

Courses

ARCH230H | Architectural Design and Theory 3 Honors (Studio) ..... 5 units (sem)
ARCH202 | Design/Build 2 for Architecture ..... 4 units
ARCH201 | Design/Build 1 for Architecture ..... 2 units
ARCH199 | Current Topics in Architecture (Workshop) ..... 2 units
ARCH180 | Construction Documents ..... 3 units
ARCH172 | Design Fabrication 2 ..... 2 units
ARCH171 | Design Fabrication 1 ..... 2 units
ARCH170 | Introduction to Design Fabrication ..... 1 unit
ARCH165 | Presentation Graphics (Personal Branding & Portfolio) ..... 2 units
ARCH163 | 3D Modeling: Rhino 2 (Computational Design) ..... 2 units
ARCH162 | 3D Modeling: Rhino 1 (Digital Design) ..... 2 units
ARCH115 | Architectural Drawing and Design Visualization 1 (Technical) ..... 2 units
ARCH105 | Architectural Drawing and Design Visualization 1 (Technical) ..... 2 units

Grants (Selected)

2017+ CCC "Maker Initiative" Grant ($1 million: equipment, staffing, curriculum, and internships)
2014 CTE-EF "Design Innovation" Grant ($55,000: curriculum development and equipment)
2014 Carl D. Perkins CTE Improvement Grant ($60,000: campus collaboration lab)
Yearly Annual Resource Grants ($500,000+: equipment, training, and staffing)

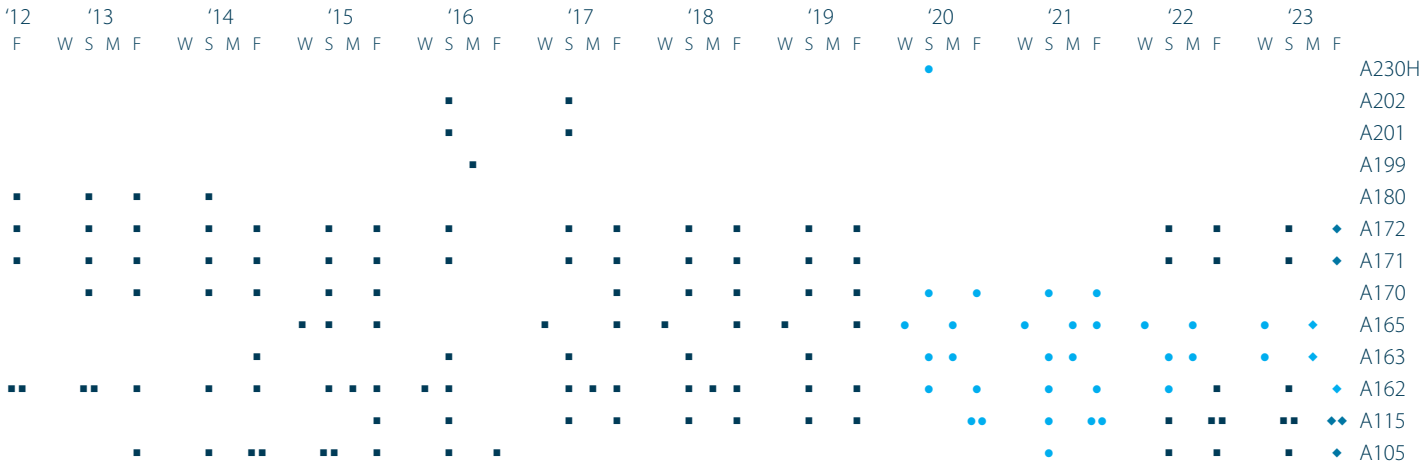
Committees (Selected)

District Learning Management System Committee (online platform evaluation)
Annual Advisory Committees (Architecture, Interior Design, AR/VR, and Commercial Graphics)
Campus Technology Committee (campus-wide technology assessments)
Numerous College Hiring & Review Committees (Directors, Deans, Professors, and Staff)

Program

Architecture Club Advisor (volunteering, competitions, and field trips)
Program Review (including: PSLO and CSLO assessment, and strategic change)
1st Year Environmental Design Emphasis (broadening of foundation courses)
Curriculum Development (degree/course review, creation, advocacy, and implementation)
Design Technology Certificate and Degree (design, business, and social emphasis)
Adjunct Faculty Development (reviews and constructive feedback)
Makerspace Management (training, safety, workshops, and supplies)
Consistent Grant Writing (both individual and coordinated with colleagues)
Annual Resource Requests (equipment, supplies, and purchase coordination)
Graphic Identity and Brand Collateral (OCC Architecture & OCC Makerspace)
Community Outreach (Science Night, high school guest lectures, and counseling)

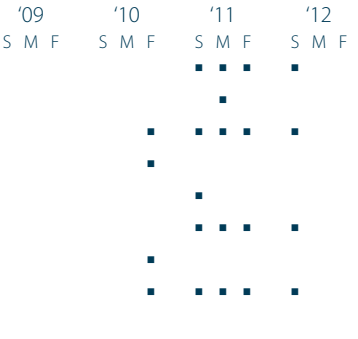
OCC Courses (by semester & modality)



ACADEMIC (Previous)

Harrington College of Design (HCD)

INTERIOR DESIGN DEPARTMENT: Chicago, IL
July 2009 to December 2012



***Graduate Faculty** (Full-Time)*
Program Co-Leader & Thesis Coordinator

- Leadership position within a growing graduate interior architecture program
- Strategic development of curriculum with specialties in digital design & collaboration
- Collaborative design research using hybrid education platforms

MID670 | Graduate Thesis Studio ..... 3 units (sem)
MID630 | Directed Thesis Preparation ..... 3 units
MID620 | Methods III: Design Practices ..... 3 units
MID530 | Advanced Studio I: Creative Collaboration ..... 3 units
MID512 | Methods II: Media & Communications ..... 3 units
MID501 | Theory I: Ecology of Design ..... 3 units
DSN507 | Graduate Design Studio B ..... 3 units
ELE420 | Advanced Digital & Computational Design (Rhino + Grasshopper) ..... 3 units

***Distance Educator & Guest Critic** (Part-Time)*

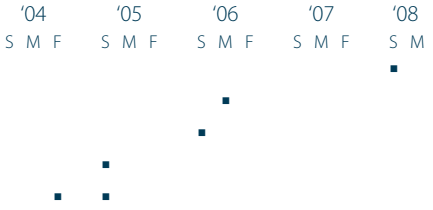
- Topics included collaboration, experimental design, and thesis preparation

Committees
College Steering Committee (long-term planning and assessment)
Accreditation Committee (CIDA: Council for Interior Design Accreditation)
Curriculum Committee (comprehensive review and creation of degrees and courses)
Entrance and Portfolio Committee (graduate application review and interviews)
Social Committee (expansion of college social activities both on- and off-site)

Program
Graduate Thesis Advisement (chair, committee, and guidance for all thesis work)
Technology Advocacy (review, proposal, and implementation of hardware and software)
Student Outreach and "Celebration" (marketing, gallery shows, and volunteering)

Southern California Institute of Architecture (SCI-Arc)

ARCHITECTURE SCHOOL: Los Angeles, CA
September 2004 to April 2008



Teaching Assistant
Architecture Studios & Seminars

- Collaborated with faculty on course content, preparing lectures and conducting research
- Supported students in class and lab with design fundamentals and advanced techniques

ArchiMusic | Graduate Seminar TA for Marcos Novak, PhD ..... 3 units (sem)
Parametric Affect | Digital Project TA for David Gerber, PhD ..... 3 units
Design Intelligence | Graduate Seminar TA for Michael Speaks, PhD ..... 3 units
Dynamic Systems | Undergrad Studio TA for Elena Manferdini ..... 6 units
CNC Milling, 3D Printing and Laser Cutting Assistant ..... 20 hrs/wk

East Los Angeles College (ELAC)

ARCHITECTURE DEPARTMENT: Los Angeles, CA
July 2007 to August 2007

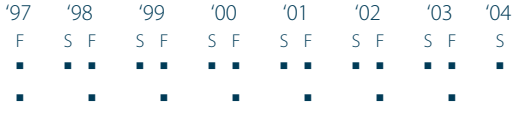
Adjunct Faculty
Professional Expert

- Prepared updated curriculum for "real world" use of 3D modeling software
- Taught all aspects of 3D modeling, including animation and presentation

ARCH264 | 3D Modeling for Designers ..... 3 units (sem)

Los Angeles Harbor College (LAHC)

ARCHITECTURE DEPARTMENT: Wilmington, CA
August 1997 to June 2004



Adjunct Faculty
Professional Expert & Supplemental Instruction

- Prepared curriculum, instructed lectures, and directed laboratories for 14 semesters
- Advised department of industry changes in technology and software

ARCH161 | Beginning 2D AutoCAD ..... 2 units (sem)
ARCH162 | Advanced 2D AutoCAD and 3D Modeling ..... 3 units

MENTORSHIP (Graduate Thesis)

2014 ..... Thesis Co-Chair | *"BR1COLEUR: Design Process Based on the Art of DJing and Remix Theory"* by Ryan Ross (MA)

2013 ..... Thesis Committee | *"Five Sense Space: An Immersive Experience"* by Kelly Olson (M)

Thesis Committee | *"Ex Libris: Data X Design X Library"* by Katherine Lee (MA)

Fall 2012 ..... Thesis Co-Chair | *"Virtual in Reality: Digital Branding as a Physical Experience"* by Katherine Cragwall (MA)

Thesis Co-Chair | *"Interactive Fashion Retail Store"* by Takuya Imoto (M)

Thesis Co-Chair | *"Retreat Spirituality: How Built Form and Spacial Design Affect Spiritual Experience"* by Julia Hamer (M)

Thesis Co-Chair | *"Press Play: Music as Design"* by Jennifer Mallette (MA)

Thesis Co-Chair | *"Exploration of Technique in order to Deconstruct Destruction: Digitalism & Radical Sustainability"* by Mai Thor (MA)

Thesis Co-Chair | *"Deconstructing the Workplace: A proposal for a Working Environment in Puerto Rico"* by Julianne Velez (MA)

Summer 2012 ..... Thesis Chair | *"Employee Centered Hospitality: Towards a New Paradigm"* by Andrew D. Benner, ASID, IDEC, IIDA (M)

Thesis Chair | *"Seamed: The Influence of Fashion on Boutique Hotel Design"* by Rhea Fernandez (MA)

Thesis Chair | *"Social Hotel: The Role of Cultural Curation and New Media in Designing Hospitality Experiences"* by Shelby Girard (MA)

Thesis Chair | *"DRIFT: Nomadic Structures"* by Agata Malkowski (MA)

Thesis Chair | *"Design Thinking for the Social Cause"* by Liz Seiferth (M)

Thesis Committee | *"Nodal Emergence: A Design Response to a High Speed Rail Connection"* by Chelsea Stack (M)

Thesis Committee | *"Alluvial Adaptation"* by Julie Landis (MA)

Thesis Committee | *"Networked Interiors: A Social Network Investigation"* by Amanda Wajrowski (M)

Spring 2012 ..... Thesis Chair | *"BETA BOX: Achieving Preservation Through Impermanence"* by Ellen Buckman (MA)

Thesis Chair | *"Transportation Facilities and the Cities They Serve"* by Stephanie Geurkink (MA)

Thesis Chair | *"Destination: Northerly Island"* by Bonnie Hopp (MA)

Thesis Chair | *"Cultivating Community: A Proposal for Mixed-Income Cohousing"* by Aryanna Mohseni (MA)

Thesis Chair | *"Merging Healthcare and Hospitality Design"* by Shivani Raval (MA)

Thesis Chair | *"Retail Reinvention: Collision of Behavior, History, Design and Technology for the Future"* by Courtney Russell (MA)

Thesis Committee | *"Don't Live in the Past, Learn From It: Capitol Park as a Catalyst for Revitalization of Urban Detroit"* by Meredith Cross (MA)

Thesis Committee | *"Permeable Boundaries"* by Kyle Johnson & Diane Rizko (M)

Thesis Committee | *"Workplace Design for Multiple Generations"* by Keri Morton (MA)

Thesis Committee | *"A Cinematic Approach to Design"* by Sarah Mueller (M)

Thesis Committee | *"NOHO Nodal Hotel: The Power of Neighborhood, Culture, and Experience"* by Manuel Navarro-Soto (M)

Thesis Committee | *"Coffee + Shop: Community Interventions from an Interior Design Perspective"* by Bridgette Nyman (MA)

Thesis Committee | *"Oil Dependent by Design: A Case for Non-Petroleum Based Design"* by Michelle Sharpe (MA)

Thesis Committee | *"Building Community Through Systems Thinking and Improvisation"* by Tanvi Trivedy (MA)

Thesis Committee | *"Rural College in an Urban Campus"* by Taryn Hicks (MA)

Fall 2011 ..... Thesis Chair | *"Mixteriors: A Design Process"* by Randi Carletti (MA)

Thesis Chair | *"Expanding Business: Light, Color and Experience-Based Design"* by Jenna DeFalco (MA)

Thesis Chair | *"Healthcare Design: Center for Veterans with Post-Traumatic Stress Disorder"* by Jessica Holub (MA)

Thesis Chair | *"The Next Library"* by Randi Lesniewski (M)

Thesis Chair | *"Human Responses to Color in Interiors: Expanding the Color Curriculum"* by Lauren Stewart (M)

Thesis Chair | *"Horizontal Organizational Structures in Collaboratively Operated Design Firms"* by Emily Wiegel (MA)

Thesis Committee | *"Marketspace"* by Cara Brosten (MA)

Thesis Committee | *"Division Station Flexspace: A Research Inquiry into Emergence and Urban Infill"* by Matthew J. McGrane (M)

Thesis Guidance | *"Clio Art Hotel"* by Kate Harms (MA)

Summer 2011 ..... Thesis Chair | *"A Minor Addition"* by Emily Timm (M)

Thesis Committee | *"Connective Fabrications: An Ante Modern Approach to High-Tech DIY"* by Aleksandra Furman (M)

Thesis Committee | *"The New Middle School"* by Marta Galek (M)

Thesis Committee | *"A Minor Addition"* by Emily Timm (M)

Thesis Guidance | *"Dual Branded Environments"* by Leslie Bowman (MA)

Spring 2011 ..... Thesis Chair | *"Virtuality in New Definitions of Place with Implications for New Design Pattern Languages"* by Lisa Godsey (M)

Fall 2010 ..... Thesis Committee | *"Mass Variance"* by Kristen Penfold (MA)

Thesis Committee | *"Magic, Massing & Mettle"* by Ava St. Claire (MA)

PROFESSIONAL

Robert McNeel & Associates

SOFTWARE DEVELOPER: Seattle
April 2011 to 2014

Education Consultant
Online Training and Curriculum Development

- Course strategy, preparation, instruction, and assistance in first-run online courses
- Support of curriculum development, technical documentation, and distance education

Rhino Level 1 & 2 Online Certification (instructor) GoToTraining - *Mary Fugier, trainer & tech support*
Intro Grasshopper & Python Training (assistant) GoToTraining - *Andres Gonzalez & Skylar Tibbits*
Rhino v5 Documentation (information designer) Seattle, WA - *Jerry Hambly, education director*

Gehry Technologies, Inc.

DESIGN & CONSTRUCTION CONSULTING: Los Angeles
August 2007 to July 2010

Senior Project Consultant & Corporate Trainer
Digital Design Research and Collaboration Environments

- Team management and project strategies for building information systems
- Development and implementation of project-wide versioning systems for 3D data
- Creation of parametric 3D models for design, drawings, construction, and fabrication
- Advanced visualization and animation of complex assemblies and schedules
- Extensive software expertise, including: Digital Project, AutoCAD, Revit, and Rhino
- Software beta testing, script debugging, error tracking, and user support
- Individual and group instruction using CATIA with Digital Project
- Strategic development of courses for new technology and industry standards

Guggenheim Abu Dhabi (museum), Abu Dhabi, UAE - *Gehry Partners*
The Grand (retail and towers) Los Angeles, CA - *Gehry Partners*
Beekman Tower (residential) Manhattan, NY - *Gehry Partners*
New World Symphony (education) Miami, FL - *Gehry Partners*
Foundation Louis Vuitton (museum) Paris, France - *Gehry Partners*
1 Dubai and East Park 7 (sky scrapers) Dubai, UAE - *Adrian Smith + Gordon Gill*
Qatar Petroleum Campus (corporate) Doha, Qatar - *Skidmore, Owings & Merrill*
Metro Line 12 (infrastructure) Mexico City, MX - *ICA Construction*

SRF Concepts

DESIGN CONSULTING: Los Angeles
June 2001 to Current

Design Director & Entrepreneur
Architecture · Interiors · Fabrication · Graphic · Identity · Social · Web

- Design and development of residential, commercial and retail projects
- Real-time visualization of architecture, interior, and branded environments
- Complete conceptualization of graphic design, corporate identities, and logos
- Webmaster and Internet host for websites, including academic and e-commerce
- Personalized software training for individuals and companies

Shane Beschen's Playground Surf (mixed use) Oahu, HI - *ADVNCD Concepts*
Wycliff Residence (single family) Los Angeles, CA - *Dreams Constructed, Inc.*
Hydrofoil Surfing Fins (design fabrication) Dana Point, CA - *Christian Fletcher*
Lionel Richie Residence (pool and landscape) Brentwood, CA - *H_2O Pools*
RoryRussell.com (brand identity and website) Oahu, HI - *Rory Russell*

Panelite©

INTERIOR DESIGN & RESEARCH: Los Angeles
April 2005 to August 2007

Design Manager & Fabricator
Material Innovation and Shop Fabrication

- Design management: estimation, rationalization, and product line development
- Fabricated architectural and interior projects that incorporated Panelite products
- Produced visual installation guides, product brochures, and shop drawings

Design Life Now (exhibit) Manhattan, NY - *Copper-Hewitt Museum*
IIT's McCormick Tribune Campus Center (education) Chicago, IL - *OMA, design firm*
Information Booth (cultural) Atlanta, GA - *The Georgia Aquarium*
Hoey Lounge (furniture) Miami , FL - *Matt Hoey, designer*

PROFESSIONAL (Continued)

Southern California Institute of Architecture (SCI-Arc)

ARCHITECTURE SCHOOL: Los Angeles
September 2004 to September 2006

Web Consultant & Work Study
Institutional Webmaster and CNC Facilities Specialist

- Maintained website, including: graphics, programming, analysis, and on-call support
- Fall 2004 and Spring 2005: CNC milling, 3D printing, and laser cutting assistance

www.sciarc.edu (webmaster) Los Angeles, CA - *Brian Roettinger, designer*
Student and Faculty Projects (thesis and exhibits) Los Angeles, CA - *Various*
Moule & Polyzoides, Architects and Urbanists (gallery) Los Angeles, CA - *Manager*

John Wiley & Sons, Inc.

BOOK PUBLISHER: New York
June 1996 to August 2004

Research Assistant & Information Designer
Technical Advising, Manuscript Editing, and 1000+ Illustrations

- Edited manuscripts for technical accuracy and researched CAD office standards
- Produced all CAD and 3D models to convey architecture and construction concepts

Perspectonics: The Art & Science of Perspectives (1st Edition) *Wiley, unpublished*
The Professional Practice of Architectural Working Drawings (3rd Edition) *Wiley, 2002*
The Professional Practice of Architectural Detailing (3rd Edition) *Wiley, 1999*

Obelisk Architects, Inc.

ARCHITECTURE FIRM: Torrance, CA
April 1998 to June 2001

Designer & CAD Manager
Residential, Commercial, Civic, and Ecclesiastical Projects

- Coordinated projects in their entirety, from concept through construction
- Created and maintained office standards, supporting 10 users and consultants
- Utilized 2D and 3D software to enhance design options and client presentations
- Setup and maintained the office computer network and website presence
- Researched and recommended all hardware and software purchases

Adli Residence (single family) Palos Verdes, CA - *Private Owner*
CNC Ornamental Iron (metal work) Gardena, CA - *R.B. Welding*
CalTrans Freeway Walls (civil) Anaheim, CA - *Shop Drawings*

Eidson Fire Protection, Inc.

SUB-CONTRACTOR: San Pedro, CA
January 1991 to April 1998

CAD & Permit Specialist
Commercial, Industrial, Institutional, and Residential Projects

- Coordinated sub-contract shop drawings with architects, consultants, and owners
- Prepared and secured permits at county and city building, planning, and fire departments

Moreno Valley Mall (most retail stores) Moreno Valley, CA - *General Growth Properties*
McMaster-Carr Distribution (industrial) Santa Fe Springs, CA - *McMaster-Carr Supply Co.*
U.S. Customs Warehouse (government) Compton, CA - *United States Government*

R.T. Wolfenden, General Contractor

GENERAL CONTRACTOR: Wilmington, CA
August 1989 to January 1991

Drafter & Assistant
Industrial and Residential Projects

- Manual drafting, hands-on construction, and jobsite coordination
- Assisted Mr. Wolfenden during his time as Chamber of Commerce President

Concrete Block and Tilt-Up Warehouses (industrial) Wilmington, CA - *General Contracting*
Holiday Parade Floats (cultural) Wilmington, CA - *Wilmington Chamber of Commerce*

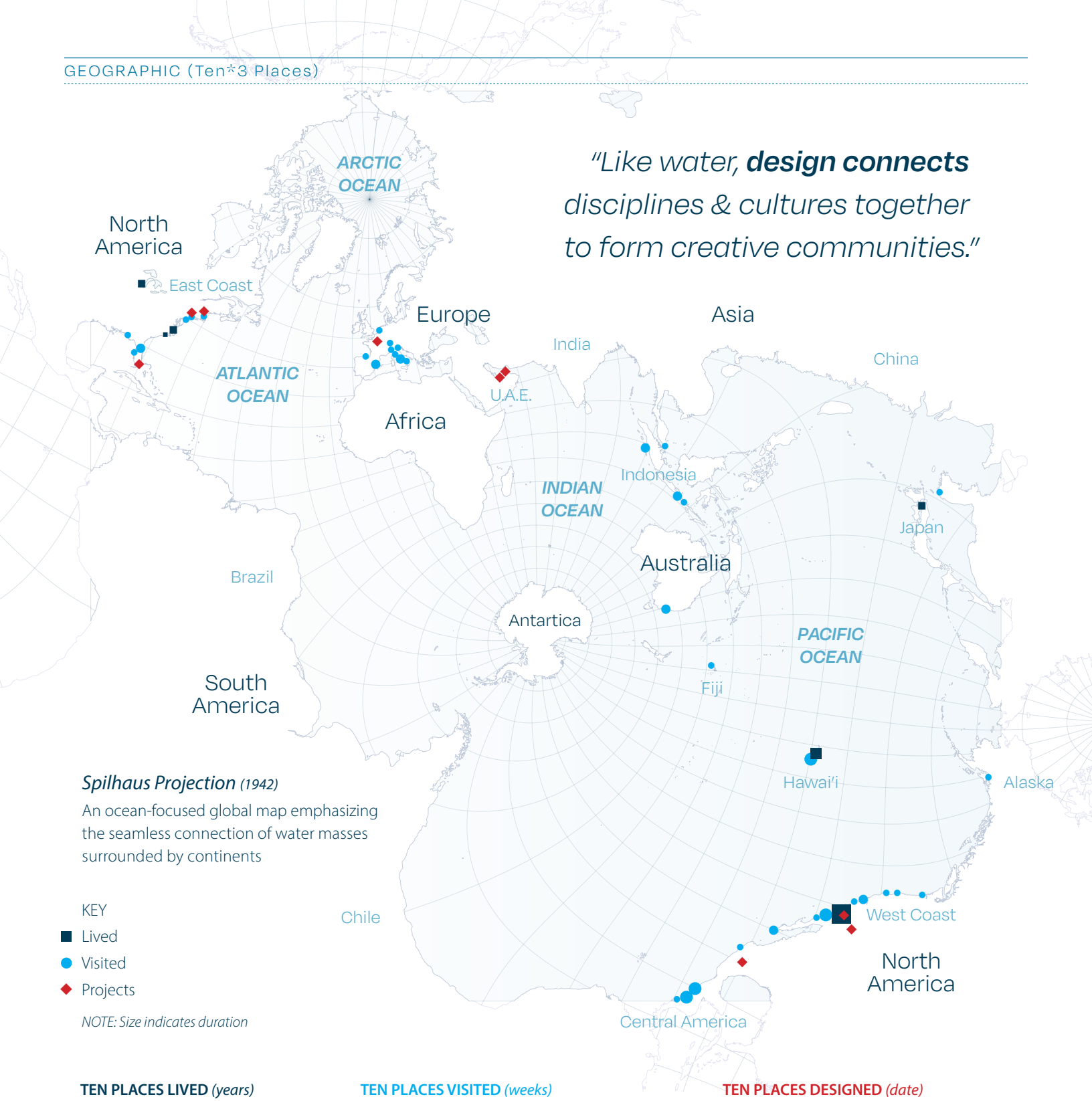
BOA Architecture

ARCHITECTURE FIRM: San Pedro, CA
December 1988 to June 1989

Student Intern
Commercial, School, Residential, and ADA Handicap Compliance Projects

- Assisted senior and junior architects with manual and CAD drafting
- Organized architecture library, material samples, and coordinated blueprints

*"Like water, **design connects** disciplines & cultures together to form creative communities."*



Spilhaus Projection (1942)

An ocean-focused global map emphasizing the seamless connection of water masses surrounded by continents

KEY
- Lived
- Visited
- Projects

NOTE: Size indicates duration

TEN PLACES LIVED *(years)*

- 07y (2016–2023) **PV Peninsula, CA**
- 02y (2010–2012) **Chicago, IL**
- 30y (1984–2016) **Los Angeles, CA**
- 03y (1981–1984) **Pearl City, O'ahu, HI**
- 01y (1980–1981) **Washington D.C.**
- 02y (1978–1980) **Alexandria, VA**
- 02y (1976–1978) **Santa Ana, CA**
- 02y (1973–1975) **Iwakuni, Japan**
- 01y (1972–1973) **Jacksonville, NC**
- 01y (1971–1972) **Milwaukee, WI**

TEN PLACES VISITED *(weeks)*

- 26w **Mexico** (Baja & Mainland)
- 01w **Netherlands** (Amsterdam & The Haag)
- 02w **Spain** (Barcelona & Basque Country)
- 04w **Italy** (Rome, Florence, Naples, Venice, Milan)
- 13w **Central America** (Nicaragua & El Salvador)
- 02w **Australia & Fiji** (Sydney & Nadi)
- 05w **Indonesia** (Sumatra, Bali & Lombok)
- 52w **West Coast, USA** (CA, HI, NV, AZ, CO, OR, AK)
- 26w **Road Trips, USA** (1, 5, 10, 40, 65, 66, 75, 95, 101)
- 13w **East Coast, USA** (NY, NJ, PA, MA, VA, WV, FL)

TEN PLACES DESIGNED *(date)*

- Now **Guggenheim Museum** (Abu Dhabi, U.A.E.)
- Now **The Grand LA** (Los Angeles, CA, version 1)
- 2014 **Fondation Louis Vuitton** (Paris, France)
- 2011 **8 Spruce Street Tower** (New York, NY)
- 2011 **Museo Soumaya** (Mexico City, Mexico)
- 2011 **New World Symphony** (Miami, FL)
- 2010 **1 Dubai Tower** (Dubai, U.A.E., unbuilt)
- 2010 **Lou Ruvo Brain Institute** (Las Vegas, NV)
- 2007 **National Design Triennial** (New York, NY)
- 2004 **MIT Stata Center** (Boston, MA, repair)

ACTIVITIES (Selected)

2023
Google UX Design Professional Certificate, Coursera Courses (4 of 7) | Professional Development, *100 hrs from May–July 2023*
Responsible AI: Principles & Practical Applications, LinkedIn Learning Course | Professional Development, *Completed July 2023*
Extended Reality (XR): Design Research | Professional Development, *5 months of comprehensive XR research and experimentation*
OCC Research Symposium: Cinema & Design | Faculty Mentor (2 months), *student researched film, design & wellness correlation*
Design Village 2023 "Symbiosis", Architecture Competition | Faculty Support, *Cal Poly San Luis Obispo, SLO, CA*
Academic Travel: Spring Break | Neoplasticism Research, *15 days in Barcelona, Rome, Florence, The Hague, and Amsterdam, March 2023*
Shaping: Big Wave Surfboards | Designer & Shaper, *Research & creation of three (3) new surfboards for Rick Miller, San Pedro, CA*
Procreate: Online Training | Professional Development, *2 months of comprehensive digital painting on YouTube by FLO & Henry Gao*
Equipment: Laser Cutters | Installer, *Setup of three (3) new OMTech laser cutters at Orange Coast College, Costa Mesa, CA*

2022
American Institute of Graphic Arts (AIGA): Design Educator | Member, *Active (weekly) ongoing participation in local chapter support*
Midjourney AI: Design Research | Professional Development, *6 months of comprehensive AI painting research and experimentation*
OCC Research Symposium: Artificial Intelligence | Faculty Mentor (6 months), *students researched AI use in design studio*
Design Village 2022 "Oculus Cosmos", Architecture Competition | Faculty Advisor, *Cal Poly San Luis Obispo, SLO, CA*
Equipment: Meta Quest 2 | Installer, *Setup of twenty (20) new virtual reality headsets at Orange Coast College, Costa Mesa, CA*
Personal Travel: Nicaragua & Costa Rica | Cultural Explorer, *10 days in Popoyo region by land and boat (solo), July 2022*
The Boardroom Show, Surfboard Manufacturing Conference | Attendee, *Del Mar, CA*

2021
OCC Makerspace: Audit | Founder & Lead, *Creation of equipment check-out and inventory control system*
SEO Ecommerce Strategies, LinkedIn Learning Course | Professional Development, *Completed May 2021*
Illustrator for Fashion Design: Advanced Flats, LinkedIn Learning Course | Professional Development, *Completed February 2021*
Rhino: Twinmotion Workflow, LinkedIn Learning Course | Professional Development, *Completed February 2021*
The Boardroom Show, Surfboard Manufacturing Conference | Exhibitor, *Lightning Bolt with Rory Russell, Del Mar, CA*

2020
OCC Makerspace: Expansion | Founder & Lead, *Development of comprehensive expansion plan for larger facility on campus*
Computational Design: NEXT 1 & 2, 3D Software & Programming Training | Participant, *2-Day Online Conferences, Jul/Sept 2022*
Illustrator for Fashion Design: Drawing Flats, LinkedIn Learning Course | Professional Development, *Completed March 2020*
Design Your Own Fonts, Udemy Course | Professional Development, *Completed March 2020*
Typography Design, Multiple LinkedIn Learning Courses | Professional Development, *Completed March 2020*
Learning Keyshot, LinkedIn Learning Course | Professional Development, *Completed March 2020*
Product Design: From Sketch to CAD, LinkedIn Learning Course | Professional Development, *Completed March 2020*
Personal Travel: El Salvador | Cultural Explorer, *5 days in the Southern region by land and boat with a friend, October 2020*

2019
OCC Makerspace: Grant ($350k) | Founder & Lead, *Renewed to complete the implementation of a makerspace on campus at OCC*
2019 Bay Area Maker Faire: OCC Maker Club | Faculty Lead & Exhibitor, *Progress related to OCC Makerspace celebrated with students*
OCC Research Symposium: Surfboard Design | Faculty Mentor (6 months), *winning student researched tail design with CFD analysis*
Personal Travel: Nicaragua | Cultural Explorer, *10 days in Popoyo region by land and boat (solo), June/July 2019*
Personal Travel: Spain & Switzerland | Cultural Explorer, *9 days in Barcelona, Northern Spain, and Zürich by land and air, March/April 2019*

2018
OCC Makerspace: Grant ($340k) | Founder & Lead, *Awarded to fully design & implement a makerspace on campus at OCC*
2018 Bay Area Maker Faire: OCC Maker Club | Faculty Lead & Exhibitor, *Progress related to OCC Makerspace celebrated with students*
Personal Travel: El Salvador | Cultural Explorer, *5 days in the Southern region by land and boat with friends, November 2018*
Personal Travel: Indonesia | Cultural Explorer, *22 days exploring remote locations in Bali & Lombok by land and boat, June/July 2018*
Personal Travel: Nicaragua | Cultural Explorer, *9 days in Popoyo region by land and boat with friends, March/April 2018*

2017
OCC Makerspace: Seed Grant ($40k) | Grant Writer & Founder, *Awarded to further investigate maker culture on campus at OCC*
Maker Culture: Group Show | Featured Artist with Alex Couwenberg, *Museum of Art & History, Lancaster, CA*
Learn T-Shirt Printing and Design, LinkedIn Learning Course | Professional Development, *Completed December 2017*
Personal Travel: Nicaragua | Cultural Explorer, *8 days in Popoyo region by land and boat with friends, April & August 2017*
Personal Travel: El Salvador | Cultural Explorer, *11 days in Northern & Southern region by land and boat with friends, April & July 2017*

2016
Innovation Maker 3: Grant | Grant Writer, *Proposal to incorporate a makerspace in the Technology Division at Orange Coast College*
Rob|Arch 2016: Robotic Fabrication in Architecture, Art, and Design Conference | Attendee, *Sydney, Australia, March 2016*
Personal Travel: Mexico | Cultural Explorer, *4 days in Southern region by land with friends, August 2016*
Personal Travel: Fiji & Australia | Cultural Explorer, *12 days in Nadi and Sydney with friends, March/April 2016*

ACTIVITIES (Continued)

2015 **MANA in Naples—California Dreaming: Between Surfing and Art**, Group Show | Featured Artist, *Villa di Donato, Naples, Italy*
The Artists of the Film MANA, Screening & Talk | Featured Artist, *Quad Gallery, Riverside City College, Riverside, CA*
Stoked! Episode 2: Palos Verdes Cove, Starring Zen Del Rio | Co-Producer, *Palos Verdes Estates, CA*
Stoked! Episode 3: Venice Beach, Starring Mike Silver (in-progress) | Co-Producer, *Venice, CA*
Robot Programming 1 | Training, *5-day comprehensive 6-axis robot immersion at KUKA Robotics' U.S. Headquarters, Detroit, MI*
McNeel: Authorized Rhino Fab Studio | Certification (in-progress), *Orange Coast College, Costa Mesa, CA*
Artist Travel: Italy | Cultural Explorer, *18 days in Rome, Venice, Murano, Florence, Pisa, Cinque Terre, Lake Como, and Milan, June 2015*
Personal Travel: Nicaragua | Cultural Explorer, *10 days in Popoyo region by land and boat with friends, August 2015*
Design Village 2015 "Clockwork", Architecture Competition | Faculty Advisor, *Cal Poly San Luis Obispo, SLO, CA*
OCC Architecture Club, Field Trips & Volunteer Activities | Faculty Advisor, *Orange Coast College, Costa Mesa, CA*
AYSO Soccer Coach, Girls U8 Division | Volunteer, *Region 6, San Pedro, CA*

2014 **50 Years of Endless Summer**, Group Show | Featured Artist, *Museum of Art & History, Lancaster, CA*
MANA: The Film, Premiere, Exhibition, and Talk | Featured Artist, *Kona Surf Film Festival, Kona, Big Island, HI*
MANA: The Film, Screening and Talk | Featured Artist, *Honolulu Surf Film Festival, Honolulu, HI*
MANA: The Film, Screening and Talk | Featured Artist, *Laguna Art Museum: Art & Nature Series, Laguna, CA*
MANA: The Film, Screening | Featured Artist, *San Pedro International Film Festival, San Pedro, CA*
Stoked! Episode 1: San Onofre, Starring Rory Russell | Co-Producer, *San Clemente, CA*
Performative Composites with Greg Lynn | Participant, *University of Southern California, Los Angeles, CA*
Learning RhinoCAM, LinkedIn Learning Course | Professional Development, *Completed December 2014*
InDesign CC 2014 Quick Start, LinkedIn Learning Course | Professional Development, *Completed December 2014*
Design Village 2014 "Biologics", Architecture Competition | Faculty Advisor, *Cal Poly San Luis Obispo, SLO, CA*
Mass Appeal, Student Art Show | Faculty Coordinator, *Orange Coast College, Costa Mesa, CA*
OCC Architecture Club, Field Trips & Volunteer Activities | Faculty Advisor, *Orange Coast College, Costa Mesa, CA*
Guest Critic, Undergrad Thesis | Invitee, *Design Department, California State University, Long Beach, CA*

2013 **MANA: The Film**, Feature-Length Art Documentary | Featured Artist & Brand Designer, *Los Angeles & Kona, HI*
McNeel: Authorized Rhino Training Center | Certification, *Orange Coast College, Costa Mesa, CA*
Design Village 2013 "Make.Move.Play", Architecture Competition (2nd Place) | Faculty Advisor, *Cal Poly San Luis Obispo, SLO, CA*
Mass Appeal, Student Art Show | Faculty Coordinator, *Orange Coast College, Costa Mesa, CA*
OCC Architecture Club, Field Trips & Volunteer Activities | Faculty Advisor, *Orange Coast College, Costa Mesa, CA*

2012 **McNeel: Authorized Rhino Trainer** | Certification, *Rhinoceros v5 - Levels 1 & 2*
Facts & Figures, Student & Faculty Art Show | Invited Artist, *Orange Coast College, Costa Mesa, CA*
OCC Architecture Club, Field Trips & Volunteer Activities | Faculty Advisor, *Orange Coast College, Costa Mesa, CA*

2011 **McNeel: Rhinoceros** | Training, *Rhinoceros v5 - Levels 1 & 2, Grasshopper 1 & 2, and Python*
DIFFA's 2011 Dining by Design, Charitable Event | Table Design with Graduate Students, *Merchandise Mart, Chicago*

2010 **IDEC's Together Towards Tomorrow**: Design Education Transformation Conference | Selected Participant, *Minneapolis*
IFI's Design Futures Regional Think Tank: The Interiors Entity | Invited Participant, *Chicago*
DIFFA's 2010 Dining by Design, Charitable Event | Table Design with Graduate Students, *Merchandise Mart, Chicago*
Vegas is a Field | Guest Critic, *Creative Collaboration Studio, Instructor: Daniela Ghertovici*
Knowledge Team, Marketing Task Force | Participant, *Gehry Technologies, Los Angeles*

2009 **Regenerating Las Vegas** | Guest Critic, *Creative Collaboration Studio, Instructor: Daniela Ghertovici*
Intensive Fields: New Parametric Techniques for Urbanism | Participant, *USC School of Architecture, Los Angeles*
Trash Talk: Pacific Ocean | Competition Coordinator, *2009 SCI-A3 Design Competition, Curator: Santino Medina*
Brand Workshop: Designers?! | Invited Speaker, *SCI-Arc, Los Angeles, How to go beyond resumes and portfolios*

2008 **Architects without Architecture**: Group Show | Artist Entrant, *SICA Gallery, New Jersey, Curator: Trent Welcome*
Phalanstery Module: Jimenez Lai (designer) | Material Researcher, *Materials & Applications, Los Angeles*
Business Travel: Chicago & San Francisco | BIM Trainer, *supported SOM's Qatar Petroleum Campus design*
Alumni Association: SCI-Arc | Member, *Worked with new alumni president on website and membership drive*

ACTIVITIES (Continued)

2007 **Design Life Now**: Cooper-Hewitt Triennial | Design Manager for Panelite LLC, *Conservatory Installation, New York*
Personal Travel: Sumatra, Indonesia | Cultural Explorer, *Boat expedition through the Mentawai Islands with 9 friends, March/April 2007*
Work: Group Show | Artist Entrant, *INMO Gallery, Downtown Los Angeles, Curator: Santino Medina*

2006 **Making the Eternal New**: Moule+Polyzoides | Exhibit Coordinator, *SCI-Arc Kappe Library, Downtown Los Angeles*
Parametric Affect: David Gerber, PhD | Workshop Participant, *SCI-Arc, Los Angeles, Digital project introduction*
Director Evaluation: SCI-Arc | Candidate, *Voted by peers to run for school office*

2005 **Sur**: Hernan Diaz-Alonso (architect) | Documentation Team, *PS1 / MoMA New York*
Suture: a|Um Studio (architects) | Media Team, *SCI-Arc Gallery, Los Angeles*
Film Workshop: Mike Mills (director) | Participant, *Los Angeles*

2004 **SCI-Arc + Art Center**: Collaborative Exhibit | Display Team, *JACCC Los Angeles*
Film Workshop: Doug Aitken (multimedia artist) | Participant, *Los Angeles*

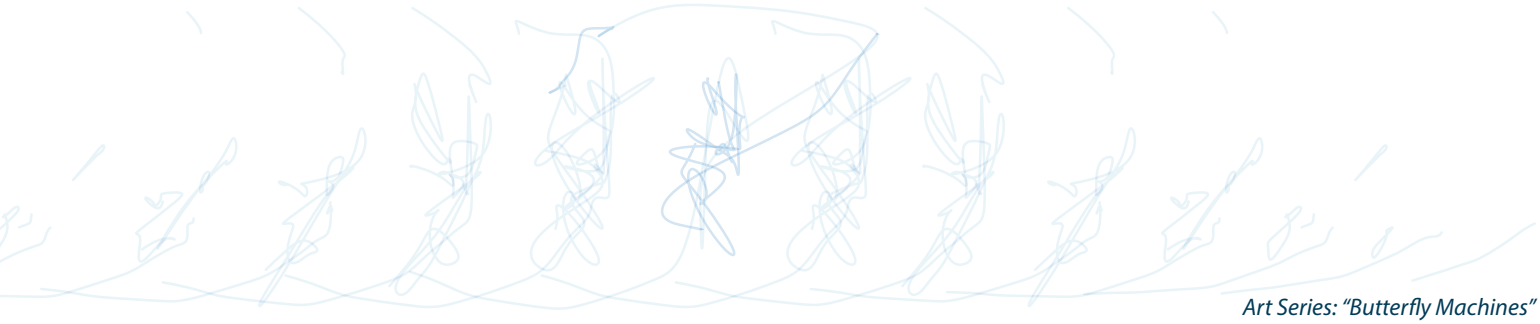
2003 **Art to Grow On**: Design Workshops for Students | Director and Docent, *Los Angeles*

2002 **Leading Edge**: Design Competition | Entrant, *Energy efficient daycare center*
Online Art Exhibit: Group Show | Artist Entrant, *Los Angeles Harbor College, Photography submissions*

2001 **U.S. National CAD Standard**: Version 3 | Participant, *Project Committee Member and Reviewer*
American Institute of Architects (AIA) | Associate Member

2000 **Autodesk**: AutoCAD Certified Professional | Certification, *AutoCAD 2000 - Levels 1 & 2*

1995 **VRML95**: Virtual Reality Modeling Language | Youngest Participant, *UC San Diego Supercomputer Center*



Art Series: "Butterfly Machines"
evolved out of a fascination with
breaking ocean waves as a parametric system

TECHNOLOGY

Software	*Digital Design*	: Rhino+Grasshopper, SketchUp, AutoCAD/MAX, Digital Project, Enscape, Keyshot, Lumion, Vray, RhinoCAM, Shape3D
	Multimedia	: Photoshop, Illustrator, InDesign, Acrobat, Premiere, After Effects, Glyph, Fontlab, Gimp/Inkscape
	Programming	: Python, Kuka Robot (KRL), Javascript, Visual Basic and VBA, C and C++, Max/MSP/Jitter/COSM
	Webmaster	: HTML, CSS, PHP/MySQL, CMSs, WordPress, Joomla, Open Source Tools, Photo Management, Wikis
	Social Media	: Pinterest, LinkedIn, Facebook, Instagram, Twitter, SnapChat, Periscope, Delicious, Flickr, Google+
	Collaboration	: Miro, Discord, Slack, Zoom, GoToMeeting, Trello, Evernote, Zotero, Skype, Google Hangouts, Chat, and Wave
	Institutional	: Canvas, Blackboard, Sakai, SharePoint, GoToTraining, TracDat, CurricUNET, LinkedIn Learning
	Business	: Windows, Office, Mac, Prezi, VPN, Remote Desktop, Subversion, QuickBooks
Hardware	*Computing*	: PC Workstations, Laptops, Apporto, Servers, Networks, Printers, Plotters, Scanners, Cameras, Presentation
	Fabrication	: Standard Shop Machinery, CNC Mill, Laser Cutter, Plasma, Water Jet, 3D Printer, 6-Axis Robot, Metal Welding

PRESS & PUBLICATIONS (Selected)

2020 **OCC Makerspace Spurs Innovation on Campus by Reflecting Local Industry and Student Interest**
Co-Founder & Faculty Lead, *Orange Coast College Makerspace, Costa Mesa, CA, Summer 2020, Editor: CCC Maker Grant*
https://tinyurl.com/ynb9tedh

2015 **MANA: The Film, Catalog** | Featured Artist, *Museum of Art & History, Lancaster, CA, Summer 2015, Editors: Campognone & Pinto*
http://www.manathefilm.com

Backstage: MANA | Art Photos, *RACNA Magazine, May 28, 2015, Author: Angelo Marra*
http://www.racnamagazine.it/backstage-mana-una-polifonica-dichiarazione-per-il-mare-a-villa-di-donato

2014 **The Artists of the Film MANA** | Artist Mention, *Whitehot Magazine, August 2014, Author: Shana Nys Dambrot*
http://whitehotmagazine.com/articles/artists-film-mana/3030

2013 **MANA Film Project Blends Surf Culture and Art** | Documentary Mention, *Big Island Weekly, July 10, 2013, Author: Karen Rose*
http://bigislandweekly.com/sections/e/mana-film-project-blends-surf-culture-and-art.html

2011 **DIFFA's Dining by Design** | Table Design with Graduate Students, *CS Interiors Magazine, Winter 2011, Publisher: Modern Luxury Media*
http://media.modernluxury.com/digital.php?e=HBCH

2010 **Re-Forming Terra Ludica: Creative Collaboration Using Social Media** | Paper Presentation, *IDEC 2010 Midwest Regional Conference*
http://www.idec.org/files/MidwestIDECRegional2010Proceedings.pdf

2009 **Parametric Design: Management** | Cover Illustration & Mention, *Urban Environment Design #37, October 2009, Publisher: Liaoning*
http://www.uendbbs.com/online/37online/37.html

Found In Translation | Article Illustration & Mention, *FORM Magazine, July/Aug 2009, Author: Gendall, Publisher: Balcony Media*
http://www.formmag.net/backissues.html

2008 **Reaching for the Clouds in Dubai** | Team and Project Mention, *New York Times, August 8, 2008, Author: Fred A. Bernstein*
http://www.nytimes.com/2008/08/10/arts/design/10bern.html

From Blueprint to Database | Team and Project Mention, *The Economist, June 5, 2008, Author: Staff*
http://www.economist.com/science/tq/displaystory.cfm?story_id=11482536

2007 **The Art of Artificial Evolution: A Handbook of Evolutionary Art & Music** | Contributor, Nov. 2007, *Editors: Romero & Machado*
http://art-artificial-evolution.dei.uc.pt

Genetic Programming and Evolvable Machines | Contributor, Volume 8, #2 / June, 2007, *Authors: Hemberg & O'Reilly*
http://www.springerlink.com/content/1389-2576

In Los Angeles: A Gehry Designed Awakening | Project Mention, *New York Times, April 8, 2007, Author: Pristin*
http://www.nytimes.com/2007/04/18/realestate/commercial/18real.html

2006 **Art Review: Fruits of Design, Certified Organic** | Project Mention, *New York Times, December 15, 2006, Author: Smith*
http://www.nytimes.com/2006/12/15/arts/design/15trie.html

Coversion: Designing a Preactive Discipline | Author, *Editor: John Cary, Publisher: www.archvoices.com*

Archinect Blog: SCI-Arc (2004-2006) | Author, *Editor: Paul Petrunia, Publisher: www.archinect.com*

2005 **INTURN: Flattening the Lines of Verticality** | Author, *Editor: AIA National, Publisher: 2005 AIA Internship Conference Proceedings*
http://www.designingtomorrowsarchitect.org/essay_fuchs.cfm

2004 **Perspectonics: The Art & Science of Perspectives** | Contributor, *Author: Dr. Osamu Wakita, unpublished*

Tactical Beauty: The Emergent Aesthetic of Cosmetic Surgery | Author, *Editor: Diaz-Alonso, Pub: SCI-Arc Softech Exhibit*
http://www.archinect.com/schoolblog/entry.php?id=10782_0_39_0_C

2002 **The Professional Practice of Architectural Working Drawings, 3rd Ed.** | Contributor, *Authors: Wakita & Linde, Pub: Wiley*
http://www.wiley.com/WileyCDA/WileyTitle/productCd-0471395404.html

2001 **Architects as Design Currency** | Author, *Ed: AIA California, Publisher: 2001 Monterey Design Conference Proceedings*

1999 **The Professional Practice of Architectural Detailing, 3rd Ed.** | Contributor, *Authors: Wakita & Linde, Pub: Wiley*
http://www.wiley.com/WileyCDA/WileyTitle/productCd-0471180165.html

PROFESSIONAL BIO

Professor Steve Fuchs is a West Coast multidisciplinary designer (with 30+ years of experience), architecture & design expert, lifelong maker, adventurer, and world-traveled surfer. His depth of knowledge ranges in scope from designing & fabricating complex art, brand collateral, interiors, and architectural systems for OMA, Bernard Tschumi, and Morphosis to designing, constructing, and managing digital design systems for mega-projects in Los Angeles, New York, Miami, and the Middle East for Frank Gehry, Adrian Smith + Gordon Gill, and Skidmore, Owings & Merrill, including: Gehry's The Grand, Beekman Tower, New World Symphony, Lou Ruvo Brain Institute, Guggenheim Abu Dhabi, AS+GG's 1 Dubai, and SOM's Qatar Petroleum Campus. At Gehry Technologies, a research lab of architect Frank Gehry, Steve was a Senior Project Consultant that specialized in project organization, collaborative building information systems, parametric design, computer-based fabrication, and advanced 3D visualization.

As a design professional, Steve has owned his own practice and worked with an array of design firms to enable multidisciplinary concepts, strategies, and solutions. He's been recognized as an "Emerging Professional" by the National Chapter of the American Institute of Architects (AIA) for being a leader in challenging the structure of design internship and taking introspective looks at disciplinary boundaries—*asserting that creative professionals themselves are design currency.* Steve's collaborative work with Matter Design while at Panelite | Los Angeles as a lead designer included an entry in the 2006-2007 Cooper-Hewitt National Design Museum's third Triennial exhibit, "Design Life Now." The New York Times favorably reviewed the entry as *"one of the show's most brilliant and promising moments."* In addition, Steve's been an invited participant to *"Design Futures: The Interiors Entity"* a global think tank of The International Federation of Interior Architects/Designers (IFI); among his colleagues, he's highly regarded for his insights about the future of design education and practice. Steve actively supports multiple charitable organizations, including: Design Industries Foundation Fighting AIDS (DIFFA) and The Surfrider Foundation. He is also an active member of AIGA, a global professional organization for design. Recently, Steve co-founded and now leads Orange Coast College's (OCC) Makerspace, funded with a $1 million grant (California Community College Chancellor's office).

As a designer & artist, Steve draws influence from Southern California and Polynesia's design and action sports communities, he uses digital processes to shape innovative surfboards, and continuously breeds a generative art series using fluid dynamics & computational design, which has been the subject of gallery shows and academic publications, including a book titled *The Art of Artificial Evolution: A Handbook on Evolutionary Art and Music* (Springer, 2007), and strategic & graphic collateral for global brands and personalities.

Art Series 1: "Butterfly Machines" evolved out of a fascination with self-intersecting, wave-like surfaces as a parametric system.

Art Series 2: "ArchiMusic" continued exploring the relationship between flowing surfaces using an interactive, computational environment.

Art Series 3: "Lono & Pono" attempted to realize these previously unmakable, generative surfaces, while testing and hacking the limits of many digital fabrication techniques used in the Maker Movement.

In 2014, Steve starred in a feature-length documentary titled *MANA: The Film*. *MANA* documented the process and artistic inspiration of ten Southern California artists and designers, all lifelong watermen, both in studio and on a group trip to one of the roots of surfing on the Big Island of Hawai'i. The film premiered at the 2014 Kona Surf Film Festival and has been the subject of gallery shows and exhibitions globally. Since appearing in *MANA*, Steve co-produced a video series with the same director titled *Stoked!,* a collection of 30-minute short stories and interviews that capture the essence of Southern California and global beach culture, as seen through the eyes of participants, artists, and designers.

Steve holds a Bachelor of Science in Applied Science & Technology from *Thomas Edison State University*, a Master of Architecture from *The Southern California Institute of Architecture (SCI-Arc),* and is ever-engaged in research that will culminate in a Doctor of Computer Science with a concentration in Emerging Media. Steve's design thesis, *Coversion: Interactive Community Solution Networks*, seeks to enable massively participatory network platforms to radically challenge design expertise and educational methodologies given cultural and technological evolution by restructuring curriculum using spatial design and fabrication as facilitators of project-based learning. Steve formerly co-led a graduate program of interior design and architecture at *Harrington College of Design* in CHICAGO, IL, and currently, he's a faculty member at the *Fashion Institute of Design & Merchandising (FIDM)* and a full-time, tenured professor at *Orange Coast College* in COSTA MESA, CA, specializing in multidisciplinary studios, design foundations, digital fabrication, and further developing the design research lab he co-founded.

STEVEN R. FUCHS, AIGA
Designer · Professor · Maker