

# john locke

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## education

2008 - 2009

### **Columbia University**

master of science in advanced architectural design

2000 - 2005

### **University of Texas at Austin**

bachelor of architecture  
minor in art history

## professional

2008 - 2009

### **Columbia University . new york . ny**

*teaching assistant*

**courses: Intro To Digital Fabrication + Advanced Fabrication: Component Systems**

I provided help with student projects, conducted software and machine tutorials, pursued research into materials and structural analysis as well as holding weekly lab hours in the digital fabrication shop using the cnc router, metal mill and waterjet.

02.2009 - 04.2009

### **the Living . new york . ny**

*consultant*

**KTX: LivingLight Pavillion**

I created a parametric model in catia, then linked that up with optimization software modeFrontier and FEA software AutoCad Robot to use genetic algorithms to quickly optimize the amount and location of columns of a pavillion in Seoul, Korea. After 2600 separate iterations, the most efficient design was chosen for fabrication.

06.2004 - 06.2008

### **Randall Stout Architects . los angeles . ca**

*project designer*

**Art Gallery of Alberta**

I specialized in design, 3D modeling, drawing production and enclosure details from project inception and competition winning entry until end of construction documents phase on 80,000sf museum. Main responsibility included generating ideas and coordination with DeSimone Structural Engineers and A.Zahner metal cladding to ensure integrity of design and fabrication aspects of the project

*project designer*

**Eli and Edythe Broad Art Museum . Michigan State University**

I was primary designer and led a team of four, meeting tight design and presentation deadlines in an international competition for a 50,000sf museum at MSU.

*other projects/tasks include:*

**Hunter Museum of American Art, Art Museum of Western Virginia, Vasquez Rocks Interpretative Center, PR / Marketing Director (2005-2006)**

04.2007 - current

### **lioninoil.net . los angeles . ca**

*designer / co-founder*

freelance design work in web and graphic design, architecture + travel photography

clients include: Robb Report Magazine, Luxury Home Magazine, Platinum Publications - Academy Awards Preview Magazine, Travel+Leisure Magazine, Vacation Homes, Art & Antiques Magazine

## awards | honors

Represented Columbia in the AIA Center for Architecture, ARCH SCHOOLS: VISIONS OF THE FUTURE exhibit

2009 Recipient of the William Ware Prize for Excellence in Design / Saul Kaplan Traveling Fellowship

2009 Awarded the Lucille Smyser Lowenfish Memorial Prize

2009 Granted a school-wide William Kinne Traveling Fellowship

2005 process and promise of a new museum . roanoke . va

2005 undergraduate research fellowship award from the university co-op

## skills

design, 3d modeling, grasshopper for rhino, processing 1.0+, parametric design in catia and solidWorks, 3d character modelling, digital fabrication and reverse engineering, waterjet+cnc router operation plus software, drawing, photography, carpentry and furniture design, cycling and bicycle repair, distance running