



Josh Lobel

10 E Abington Ave
Philadelphia, PA 19118
josh@joloinitiative.com | 917.968.6953
www.joloinitiative.com

INTERESTS

> As a professional practitioner and researcher in the field of architecture I am interested in how computer aids to design are conceptualized, developed, and implemented in professional practice, and how designers' roles and responsibilities are augmented as a result. I believe that innovation in design stems mainly from the specific context and conditions of a given problem rather than from a general case solution. This means that I believe design firms can benefit as much from using their existing resources in a more efficient manner - for example, reducing the number of unique drawing elements (blocks) and files through automation and referencing schemes to better ensure consistency and conformity throughout a design project - as they can from implementing expensive new software platforms.

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
S.M.Arch.S, Design and Computation, School of Architecture, 2008

CORNELL UNIVERSITY
B.Arch., College of Architecture, Art & Planning, 1999
Rome Program, 1998
Traveling Summer Studio: Scandinavia, 1997

PROFESSIONAL PRACTICE

2010 -	Contractor, Architectural Woodwork Industries , Philadelphia, PA
2009 - 2010 (5 mos)	Consultant, b.Digi Point B Design Ltd., Philadelphia, PA
2009 - 2010 (1 yr)	Theme Development Consultant Victory Schools, New York City Charter High School for Architecture, Engineering & Construction Industries (AECI).
2009 (4 mos)	Design Development Consultant KGS Buildings, Cambridge, MA. Parametric modeling and prototyping for passive solar device.
2008 - 2009 (9 mos)	Facade Consultant Front Inc., NY, NY. Projects include: <ul style="list-style-type: none">> 441 E57 St Lofts, NY, NY> Lincoln Square Synagogue, NY, NY> MahaNakhon Tower, Bangkok, Thailand
2004 - 2006 (1yr 3mos)	Project Architect Matthew Baird Design, NY, NY. Projects include: <ul style="list-style-type: none">> Botkin-Sondey condo Renovation, NY, NY> Bahari condo Renovation, NY, NY> Fortress Investment Group office build-out, NY, NY
2004 (6 mos)	Freelance Designer Scott Abrahams Architecture, NY, NY Projects include: <ul style="list-style-type: none">> "Polaroid House" condo renovation, NY, NY

PROFESSIONAL PRACTICE (cont'd)

-
- | | |
|--------------------------|--|
| 2003 - 2004
(9 mos) | Project Architect Gensler, NY, NY
Projects include:
> JC Flowers and Company office build-out, NY, NY
> Weil Gotshal Manges office build-out, NY, NY |
| 1999-2003
(2yrs 4mos) | Project Architect Mark Horton / Architecture, San Francisco, CA
Projects include:
> Fillmore Jazz Club schematic design, SF, CA
> Layton Residence winery, Sonoma, CA
> Kreissman condo renovation, SF, CA
> Crissy Field Aviation Museum concept design, SF, CA |

ACADEMIC EXPERIENCE

-
- | | |
|-------------|--|
| 2010 | Adjunct Philadelphia University
> ARCHDSN-208 Vis I: Digital Modeling, Fall 2010 |
| 2009 | Guest Lecturer Cornell University, Arch 2503 - Drawing III: Digital Media:
Into to Computational Methods, Spring 2009; Arch 3308 / 6308 - Theory
Seminar: Concept Design Games, Spring 2009 |
| 2006 - 2008 | Teaching Assistant MIT
> 4.553 Digital Fabrication: Professional Applications, Prof. Dennis Shelden, Spring 2008
> 4.560 Geometric Modeling, Prof. Takehiko Nagakura, Fall 2007
> 4.124 Design Studio: Level I, Prof. Meejin Yoon, Spring 2007
> 4.143 Design Studio: Level II, Post-doc Axel Kilian, Fall 2006 |
| 2007 | Adjunct Boston Architectural Center
> Rhino I: Introduction to 3d Design; Summer 2007 |

RELATED EXPERIENCE

-
- | | |
|------------|--|
| 2010 | Scientific Committee Reader SIGraDI 2010 Conference |
| 2010 | Organizer and Instructor coLab: Parametric Design to Digital Fabrication
Workshop (with Point B in association with modelab) |
| 2010 | Workshop Participant Smart Geometry 2010: Working Prototypes |
| 2009, 2010 | Organizer MIT Design and Computation Alumni Symposium |
| 2007-2008 | Research Participant FACADE (Future-proofing Architectural Computer
Aided Dsign), MIT Libraries research project |
| 2007 | Lead Design and Fabrication Mobile Fab Lab, MIT Center for Bits and
Atoms |
| 2007 | Researcher Pre-fab Formwork, MIT Digital Design and Fabrication Group |
| 2006 | Technical Assistant Kate Shepherd |

PRESENTATIONS

-
- | | |
|------|--|
| 2010 | Invited Speaker KA Connect 2010; Chicago IL |
| 2009 | Keynote Speaker World Association of Chinese Architects (WACA) Annual
Conference; Haikou, Hainan Province, China |
| 2009 | Invited Speaker World Association of Chinese Architects (WACA) Annual
Conference, Digital Architecture Group; Haikou, Hainan Province, China |
| 2009 | Panelist Build Boston, Socially Sustainable Design; Boston MA
"Small Firm? Small Project? Small BIM?" |

PRESENTATIONS (cont'd)

-
- 2009 **Conference Presenter** Digital Critical, Harvard University; Cambridge, MA
"Ends-Means: Creating Value through Digital Design"
- 2009 **Presenter** MIT Design Computation Alumni Symposium; Cambridge, MA
- 2008 **Conference Presenter** Digital Critical, Harvard University; Cambridge, MA
"The Representation of Post-Design (n.) Design (v.) Information"
- 2007 **Second Author** Arab Society for Computer Aided Design; Alexandria, Egypt
"Materializing Design: CAD / CAM Technology in the Architectural Design and Fabrication Process"
- 2007 **Conference Presenter** Virtual Systems and Multi-Media; Brisbane, AUS
"The Value of Digital Simulation in Digital Design"

EXHIBITIONS AND PUBLICATIONS

-
- 2009 Chen, S. and Lobel, J. eds. Computational Constructs: Architectural Design, Logic, and Theory. China Architecture and Building Press: Beijing, 2009.
- 2009 Lobel, J. "Computer Aids to Design" in Chen, S. and Lobel, J. eds Computational Constructs: Architectural Design, Logic, and Theory. China Architecture and Building Press: Beijing, 2009.
- 2005 "Kate Shepherd: Puzzles, Cards, and Blocks", Barbara Krakow Gallery, Boston, MA. Technical assistant to artist.
- 2004 "Kate Shepherd: Blue and Another Color", Anthony Meier Fine Arts, San Francisco, CA. Technical assistant to artist.
- 2004 Carber, Christine. "Coast to Coast: San Francisco Architect Mark Horton and Designer Vaughn Woodson Create a Russian Hill Apartment Reminiscent of Mid-town Manhattan." California Homes Jan.-Feb. 2004: 96-101. Article on Kreissman Residence.
- 2004 *Artforum*, March 2004 exhibition advertisement for "Kate Shepherd: Wall, Floor, Rocky Crag" at Galerie Lelong, NY, NY.
- 2004 "Kate Shepherd: Wall, Floor, Rocky Crag", Galerie Lelong, NY, NY. Technical Assistant to artist.
- 2002 Form.Z User Manual. Computer model / rendering featured on back cover of tutorial publication shipped with software.
- 2001 "Mark Horton / Architecture." In Form.Z June 2001: 21. Models / renderings featured.
- 2000 "Mark Horton / Architecture: CCA Dormitory." Small Firms / Great Projects, San Francisco AIA. Project model and rendering featured.
- 1999 Chi, L. "Boundary Studies." Journal of Architecture Education, 53:2, Nov. 1999: 115-121. Studio project featured.
- 1998 "Three Minutes." Solo photography exhibition. Hartell Gallery, Cornell University, Ithaca, NY.

HONORS, AWARDS & ACHIEVEMENTS

-
- 2008 **SMArchS Thesis Prize** MIT
- 2007 **Dept of Architecture Merit-based Fellowship** MIT
- 2006 **Appalachian Trail Thru-Hike** 2174.6 mile hike from Georgia to Maine
- 1999 **State of the Art Gallery Photography Competition** Ithaca, NY. Finalist
- 1998 **Arthur Gensler Scholarship Award** Cornell University
- 1997, 95 **Photographers Forum** Photography Competition. Finalist
- 1996 **Paris Prize Competition in Architecture** Van Alen Institute. Finalist

PROJECT PROPOSALS

- 2009 **New York Prize Fellowship** Van Alen Institute
"Spaces of Learning: Investigating the impact of physical environments on student performance in co-located schools."
- 2008 **Arnold W. Brunner Grant** AIA NY
"Conceptions of Complexity: Analyzing the impact of CAD technology on social and cultural roles and responsibilities in architectural practice."
- 2007 **21st Century News Competition** Knight Foundation
"ourWorld: A Pilot Project Toward New Possibilities in Education Regarding Who, What, and Where We are in the World." A GIS / mapping software development project for middle and high school students combining location-aware mobile technology, existing open-source frameworks, and a custom graphic user-interface.