

Josh Lobel

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SUMMARY

An accomplished leader of digitally-intensive, technology-based process transformation across the architecture, engineering and construction industry for 18+ years, I utilize a diverse knowledge of craft combined with deep expertise for implementing innovative, people-oriented workflow solutions. From the white board to the shop floor, I love the work of diving deep, challenging assumptions, and creating solutions that address the heart of the problem.

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

- 2017 - present **Director of Engineering**, CW Keller & Associates, Plaistow, NH
 - > Reporting to President/CEO of architectural engineering and fabrication firm
 - > Lead a team of 11 direct reports (Project Engineers, Project Coordinators & CNC Programmers)
 - > Responsible for strategy development through release to fabrication (internal & vendor fabricators) of \$100K - \$5M feature projects
 - > Annual through-put of \$5M+ engineering revenue
- 2015 - 2017 **Lead Engineer**, CW Keller & Associates, Plaistow, NH
 - > Asics HQ, Boston, MA
 - > Cabot Science Library, Harvard University, Cambridge, MA
 - > Jet Blue Phases 1 & 2, Logan International Airport, Boston, MA
- 2010 - 2015 **Lead Engineer / BIM Coordinator**, Architectural Woodwork Industries, Phila, PA
 - > Penn State Health & Human Development, State College, PA
 - > Marketplace Terminal F Expansion, Phila Internat'l Airport, Philadelphia, PA
 - > Verizon Hall Renovation, Kimmel Center, Philadelphia, PA
- 2009 - 2017 **Owner**, Lobel Initiatives LLC
 - > Design-Build: Passive Mirror Array; Private Client, NYC, NY
 - > Curriculum theme development; Charter High School for Architecture, Engineering & Construction Industries (AECI), NYC, NY
 - > Implementation Consultant; Point B Design Ltd., Philadelphia, PA
- 2008 - 2009 **Facade Consultant** Front Inc., NYC, NY
 - > 441 E57 St Lofts, NYC, NY
 - > MahaNakhon Tower, Bangkok, Thailand
- 2004 - 2006 **Project Architect** Matthew Baird Design, NYC, NY.
 - > Fortress Investment Group office build-out, NYC, NY
- 2003 - 2004 **Project Architect** Gensler, NYC, NY
- 1999 - 2003 **Project Architect** Mark Horton / Architecture, San Francisco, CA

ACADEMIC EXPERIENCE

2014 - 2017	Guest Tutor Pluralsight (formerly Digital Tutors)
2014 - 2015	Guest Instructor NextFab (Philadelphia Makerspace)
2010	Adjunct Philadelphia University
2009	Guest Lecturer Cornell University
2006 - 2008	Teaching Assistant MIT
2007	Adjunct Boston Architectural Center

RELATED EXPERIENCE

2014 - 2015	Forecaster: Good Judgment Project (Geopolitical Forecasting Tournament)
2010, '11, '14	Scientific Committee Reader: SIGraDI Conferences
2010	Co-Organizer: coLab: Parametric Design to Digital Fabrication Workshop (in association with Mode Collective)
2007 - 2008	Research Assistant: FACADE (Future-proofing Architectural Computer Aided DEsign), MIT Libraries research project
2007	Lead Design and Fabrication: Mobile Fab Lab, MIT Center for Bits and Atoms
2006	Technical Assistant: Kate Shepherd (gallery and published works)

PRESENTATIONS

2019	Invited Speaker: AEC Next / SPAR 3D Technology Expo + Conference; Anaheim, CA
2017	Panelist: IABSE Future of Design, Future of Practice Panel; NYC
2010	Invited Speaker: KA Connect; Chicago IL
2009	Keynote Speaker & Workshop Presenter: 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, AIA Build Boston, Socially Sustainable Design; Boston, MA; "Small Firm? Small Project? Small BIM?"
2009	Presenter, Digital Critical Conference, Harvard University; Cambridge, MA; "Ends-Means: Creating Value through Digital Design"
2009	Organizer & Moderator, MIT Design Computation Alumni Symposium; Cambridge, MA
2008	Presenter, Digital Critical Conference, Harvard University; Cambridge, MA; "The Representation of Post-Design (n.) Design (v.) Information"
2007	Second Author, Arab Society for Computer Aided Design Annual Conference; Alexandria, Egypt; "Materializing Design: CAD / CAM Technology in the Architectural Design and Fabrication Process"
2007	Presenter, Virtual Systems and Multi-Media Conference; Brisbane, AUS; "The Value of Digital Simulation in Digital Design"

SELECT 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 Artforum, March 2004 exhibition advertisement for "Kate Shepherd: Wall, Floor, Rocky Crag" at Galerie Lelong, NYC, NY.
- 2004 "Kate Shepherd: Wall, Floor, Rocky Crag", Galerie Lelong, NYC, NY. Technical Assistant to artist.
- 1999 Chi, L. "Boundary Studies." Journal of Architecture Education, 53:2, Nov. 1999: 115-121. Studio project featured.

HONORS, AWARDS & ACHIEVEMENTS

- 2008 SMArchS Thesis Prize, MIT
- 2007 Dept of Architecture full-tuition Merit-based Fellowship, MIT
- 2006 **Appalachian Trail Thru-Hike**, 2174.6 miles 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". GIS / mapping development project for middle and high school students combining location-aware mobile technology, existing open-source frameworks, and a custom graphic user-interface.