

Luke Alan Voiland

Education

Massachusetts Institute of Technology, Cambridge, Massachusetts

Master of Architecture, June 2008 - Concentration in Energy and Sustainable Building Practices

University of Chicago, Chicago, Illinois

BA in Geography, June 2003 - Concentration GPA 3.88/4.0

Deans List all years - Graduated with Honors - Awarded NCGE and AGS Prize for Scholarship

Extensive course work in Calculus, Physics and Natural Sciences

Deerfield Academy, Deerfield, Massachusetts

Secondary School Diploma, 1999 - Awarded Rhode Island School of Design Book Award

Competitions/Awards

Renzo Piano Internship Competition, MIT

Winner, December 2006.

MiniSkyScraper Competition, Cambridge, Massachusetts

Finalist, February 2006.

Work History

Renzo Piano Building Workshop, Paris, France

Architectural Intern, February 2007 to August 2007

Created drawings, sections and schematic designs as member of the Central St. Giles project design team. Focused on plaza, facade and reflected ceiling plan design for mixed use development in central London. Worked in conjunction with ARUP engineers and facade specialists from Switzerland and Germany.

SOM, New York, New York

Architectural Intern, Summer 2006

Produced construction documents, area analysis, marketing diagrams and security analysis for the "Freedom Tower" to be built at Ground Zero.

Extensive work with all levels of the design team and with Revit building modeling software.

John Fernandez/Andrew Scott, Cambridge Massachusetts

Environmental Design Consultant, Spring 2006

Prepared diagrams and recommendations for residential development of highly sensitive coastal ecosystem in Malibu, CA for high profile client.

Guastavino.net, Cambridge, Massachusetts

Research Assistant, Summer 2005 to present.

Developed research database for a historical study of Rafael Guastavino's thin tile vaulting system. Work in Boston and New York focused on "Green" implications of this load bearing masonry structural system. Traveled to the UK to assist with construction of two 40' domes by the same method.

Eastlake Studio, Chicago, Illinois

Architectural Intern, Fall 2003 to September 2004.

Managed relationships with major commercial real estate clients (provided area calculations, space plans, and CAD drawings for marketing of rental space). Prepared marketing materials.

Midwest Energy Efficiency Alliance (MEEA), Chicago, Illinois.

Programs Intern, March 2003 to September 2003.

Helping to design and implement a building commissioning training program intended to further energy efficiency in the Midwest

University of Chicago Facilities Services, Chicago, Illinois.

Assistant to the Planning Group/Architectural Drawing Archivist, June 2001 to June 2002.

Implemented reorganization scheme for the University's thousands of architectural drawings. Determined value of historical plans and drawings

Joe Everandais, Inventor, Chicago, Illinois.

Research Assistant, Fall of 2000.

Gathered and synthesized highly technical information and data regarding fuel cells

Created instructional technical drawings

Deerfield Valley Heating & Cooling/Sustainable Technologies, Greenfield, Massachusetts.

General Laborer, Intermittently since 1998.

Assistant to the General Manager, Summer of 2000.

Prepared as-built record drawings

Helped design, implement and install geothermal equipment and other highly efficient HVAC systems.

Teaching

MIT, Cambridge, Massachusetts.

Teaching Assistant for Introduction to Architecture (4.101), Spring 2006.

Teaching Assistant for Integrated Design Studio (4.112), Fall 2007, Winter and Spring 2008.

Rhode Island School of Design, Providence, Rhode Island.

Visiting Critic for Advanced Architecture Studio, Spring 2005

Deerfield Academy Summer Arts Camp, Deerfield, Massachusetts.

Printmaking/Drawing Counselor, Summers 1996-1999.

Skills

Basic Spanish competency

Extensive knowledge of Macintosh and Microsoft Windows operating systems

Proficient with Revit 9.0, AutoCAD, Rhino, 3D Studio Max, Bentley Generative Components, ESRI GIS software, PowerCADD, FileMaker, Adobe Photoshop, Pagemaker, InDesign, Acrobat, Excel, Access, LAN network protocols and maintenance including wireless networks.

Carpentry, Plumbing, Small Engine Maintenance, Basic Electrical, Basic Welding and HVAC

Interests

Drawing/Sketching/Painting/Furniture Design and Construction

Bicycling/Swimming/Intramural Soccer/Running

Triathlons, Marathons (Boston, Chicago), 10Ks, etc. Recreational running club organizer