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EDUCATION

- Stanford University**, Master of Science in Structural Engineering, Stanford, CA 3/2011
Advanced Structural Analysis, Design and Construction of Steel Structures, Advanced Modeling and Design of Structural Concrete, AEC Global Teamwork, Behavior of Structural Systems for Buildings, Structural Dynamics, Earthquake Resistant Design and Construction, Fracture Mechanics of Structures, BIM, Life Cycle Assessment, Performance-Based Earthquake Engineering, Hazard & Risk Assessment, Non-Linear Structural Analysis
- Northeastern University**, Bachelor of Science in Civil Engineering, Boston, MA 5/2009
Structural focused coursework, Magna cum laude, 3.705 GPA, minor in Business Administration

ACADEMIC PROJECT EXPERIENCE

- AEC Global Teamwork project-class**, Stanford University 1/2010 – 6/2010
Design development phase documents for a \$7.5mil budget/10,000ft² footprint engineering university facility in Reno, NV. Challenged with four structural concepts, Integrated Project Delivery with a globally-located team, and sustainable performance criteria.
- Behavior of Structural Systems of Buildings**, Stanford University 1/2010 – 3/2010
Design the structural system of a 10-story office building located in Palo Alto; steel gravity system, buckling-restrained braced frames, and concrete core construction.
- Advanced Modeling and Design of Structural Concrete**, Stanford University 9/2009 – 12/2009
Strut & Tie design and analysis of an L-shaped 34"x5"x12" beam, with an opening, to be constructed.

PROFESSIONAL EXPERIENCE

- Assistant Engineer (Structural)**, Simon Design Engineering LLC, Wellesley, MA 7/2010 – 9/2010
- Designed and analyzed a pedestrian bridge to connect a new parking garage to an existing office building. Designed an EBF for a 3-level parking garage.
 - Major project: Initiation of BIM for the structural engineering of a Bus Maintenance Facility at Boston's Logan Airport.
- Assistant Engineer (Structural)**, L.A. Fuess Partners, Inc, Boston, MA 7 – 12/2008, 5 – 8/2009
- Modeled, designed, and analyzed steel and concrete structures using Revit Structure, Ram, RISA 3d. Reviewed submittals for approval and steel shop drawings. Site visits for rebar inspection of foundations and steel roof-beam connection conflict.
 - Major projects: Design and Development of Sacramento Airport Terminal Expansion (mat foundation calculations), Schematic Design of Southern Methodist Univ. (steel construction), and Construction Administration of Univ. of Maine Hutchinson (steel construction).
- Assistant Engineer (Building Technology)**, Simpson Gumpertz & Heger, Inc, San Francisco, CA 7/2007 – 12/2007
- Construction administrative tasks. Sketched waterproofing and roofing design details in conjunction with architects and contractors. Assisted in writing project proposals and field reports.
 - Major projects: Robert Mondavi winery, Laguna Honda Hospital, and Pulte Homes.

OTHER WORK EXPERIENCE / LEADERSHIP

- Math Instructor**, F4Ed (Singaporean curriculum), Stanford University 10/2010 – 3/2011
- Hostess**, Hamersley's Bistro (4-star restaurant), Boston, MA 9/2005 – 9/2010
- Assistant Engineer**, Vanasse Hangen Brustlin, Inc (land development), Watertown, MA 7/2006 – 12/2006
- Vice President**, Chi Epsilon, Northeastern University, MA 9/2008 – 5/2009
- Treasurer**, Society of Women Engineers, Northeastern University, MA 9/2007 – 5/2009

ADDITIONAL INFORMATION

Affiliations/Memberships: ASCE, Tau Beta Pi, Golden Key International Honour Society, EERI, SEAONC

Technical Skills: Revit Structure, AutoCAD, RAM Structural System, RAM Elements, StructurePoint, RISA 3d, Etabs, MathCAD, Matlab

Interests: Marathon running, skiing, traveling, baking