

Melissa Han

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EXPERIENCE

Magnusson Klemencic Associates May-Aug 2013
Structural Engineering Intern

Projects worked on:

San Francisco Museum of Modern Art (SFMOMA)

Philadelphia Museum of Art (PMA)

University of Chicago Residence and Dining Hall

Ala Moana Ewa Expansion Hawaii

Tasks include:

Reinforced concrete design

Steel floor framing

Checking existing columns and foundations for expansion

Reinforcing existing trusses for new loading conditions

Construction Document details for built up wide flanges on SFMOMA

Conducted research on Cross Laminated Timber and created a design tool for firmwide use.

Supervisors: Greg Briggs and Leif Johnson

Cal Construction Team Sep 2012-May 2013
Superintendent

Competed in the ASC Regions 6 & 7 2013 Student Competition (Design Build division)

Created a detailed site logistics/traffic control plan, safety program, Quality Assurance/Quality Control procedure, and SWPPP design.

Delivered a comprehensive Design Build proposal.

Worked collaboratively with the Architect, Preconstruction Manager, Project manager and Project Executive.

Kevin Stephens Design Group May-Aug 2012
Architecture Intern

Responsible for the collaborative design of dense urban multi-family housing in San Francisco.

Produced floor plans and details of two housing units (4 and 6 stories each) which implement sustainable design practices and feature built in transforming furniture.

Presented two design proposals for clients.

CED Peer Advising Aug 2011 – May 2013
Student Leader

Extensive involvement with student groups on campus to host College of Environmental Design events such as resume events, career development workshops, mock interviews and mixers.

Worked closely with Berkeley Alumni for these events.

ABOUT ME

I am passionate about Architecture and Structural Engineering. The two professions make for many creative and exciting problem solving opportunities. At Berkeley I was involved in ASCE, AIAS and the Berkeley Engineers and Mentors program. I am seeking a graduate full-time position.

EDUCATION

May 2014 Massachusetts Institute of Technology
(expected) M.Eng Civil Engineering
High Performance Structures
GPA 4.8/5

May 2013 UC Berkeley
B.A Architecture with minors in
Structural Engineering,
City & Regional Planning
GPA 3.7/4 (Honors)

TECHNICAL COURSES

Structural Dynamics
Modeling and Analysis
Structural Systems
Building Technology
Matrix Structural Analysis
Design of Steel Structures
Design of Reinforced Concrete Structures
Concrete Materials and Construction
Mechanics of Structures
Geotechnical Engineering

SOFTWARE

SAP 2000	Rhinoceros 5.0
RISA 3D	Photoshop
RAMSteel	Illustrator
SAFE	Indesign
GSA	Dreamweaver
Matlab	V-ray
AutoCAD	Modo 601
Revit	Sketch up

ONLINE PORTFOLIO

http://issuu.com/melissa_b_han/docs/portfolio