

MEGHAN McCARTHY, E.I.

PROFESSIONAL DEVELOPMENT:

2008 **Engineering Ventures, Burlington, VT – Staff Engineer**

2008 **Sagan Design Group, Tahoe City, CA – Structural Engineer**

Engineered and calculated structural members for Tahoe lake front residences, additions, and remodels; structural calculations include foundation, framing, shear, and lateral analyses; architectural drafting and annotation; and site work which included surveying, creating as-builts, and addressing permitting constraints.

2005 to 2007 **CDM, Cambridge, MA – Geotechnical Engineer**

Performed Geotechnical analyses, including but not limited to: geotechnical reports and provided recommendations for structures including small to midsize buildings, water storage structures, pipelines, athletic field subgrades; completed all aspects regarding the execution of subsurface explorations including coordination with subcontractors, identification of site issues and constraints, and supervised explorations; monitored and interpreted geotechnical instrumentation including inclinometers, strain gages, groundwater monitoring wells, and maintained and organized the respective databases.

2004 to 2005 **Haley & Aldrich, Inc., Boston, MA – Office/Field Engineer**

Designed internal bracing members for large scale slurry wall construction project; QA/QC of design drawings

2003 **Center for Engineering Educational Outreach, Tufts University, Medford, MA – K-12 Engineering Outreach Intern**

Introduced engineering principles and creative problem solving to local K-12 classrooms.

2001 - 2005 **Student Assistant**

Designed and created Lego Critters which could be programmed tasks using the Robolab.

Peer Advisory Leader

Advised incoming freshman engineering students; took class notes for the Academic Resource Center to assist students with learning disabilities; graded weekly Structural Analysis class problem sets.

EDUCATION:

- 2005 BS CIVIL ENGINEERING/MINOR IN ARCHITECTURE – Tufts University, Medford, MA
 - Dean's List

CERTIFICATIONS:

- OSHA 40-Hour HAZWOPER Training (2005)

TECHNICAL SOCIETIES:

- American Society of Civil Engineers
- Society of Women Engineers
- Sierra Green Building Association

PROFESSIONAL REGISTRATIONS:

EIT Massachusetts