Andrew Bartolini, EIT

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EDUCATION

University of Notre Dame, Notre Dame, IN — May 2013
Bachelor's Degree in Civil Engineering | Concentration in Structural Engineering — 3.848 GPA | magna cum laude
Passed Fundamentals of Engineering Exam (EIT), April 2013

University of Notre Dame, Notre Dame, IN — May 2018 *(expected)*
PhD Candidate in Civil Engineering

INTERNSHIP

Summer Intern, Odeh Engineers, Inc — **May 2012 - August 2012**

- Assisted the design team of a 21-story concrete residential tower with a parking garage located in Boston, Massachusetts by correcting mark-ups items, creating rebar sections and elevations along with building elevations, and managing revision set information.
- Gained extensive knowledge of Revit by updating the company typical detail set, assisting on the 21-story residential structure in Boston and modeling an existing elementary school building.
- Reviewed shop drawings using Bluebeam software.

Assistant Construction Manager, Shawmut Design and Construction — **June 2008 - August 2008**

- Nine-week internship on the site of an office building lobby renovation.
- Observed daily activity of the construction manager, interacted with project architects, engineers and owner of the building, maintained safety and daily reports.

EXPERIENCE

Research Assistant, University of Notre Dame — **August 2013 – Present**

- Member of the Structural Dynamics and Modeling (DYNAMO) Lab under the direction of Dr. Tracy Kijewski-Correa.
- Currently working on reliability and feasibility of crowd-sourcing using Haiti reconnaissance data of structural engineering failures.

Teaching Assistant, University of Notre Dame — **March 2013 – Present**

- Conducted three weekly office hour sessions, which included a combination of lecture and tutoring components, maintained the course website, assisted in the grading of exams and prepared homework and exams for junior Introduction to Structural Engineering course
- Assisted two classes of an introductory AutoCAD course for college sophomores through individual and group instructional sessions

Athletics Media Relations Department Student Worker, University of Notre Dame — **August 2009 - Present**

- Currently work approximately 5 hours per week during the entire academic year during graduate school.
- Worked 15 hours per week during the academic year as an undergraduate and completed a twelve-week internship (summer of 2010).
- Currently organize and manage student workers at home football and basketball events and complete various special projects.
- Led the student workers at home football games from my sophomore through senior years, assisted with the 2010 football media guide and the 2011 men's and women's swimming and diving media guides, worked the 2010 and 2012 NCAA Women's Basketball Championships First and Second Round Games, assisted with postgame notes for men's basketball, wrote one of two official student blogs about the football team, and aided in the maintenance of the Notre Dame Athletic website and social networking sites.
- Improved time management, event preparation, organization, personal management and leadership skills.

Teaching and Resident Assistant, Johns Hopkins Center For Talented Youth, Roger Williams University — **June 2013 – August 2013**

- Assisted the first three-week session course on the Principles of Engineering for the Johns Hopkins' Center for Talented Youth.
- Was responsible for safety and community building activities for 15 students during the second three-week session.

LEADERSHIP, ACHIEVEMENTS AND AWARDS

President, Notre Dame Chapter of the American Society of Civil Engineers — **April 2012 – April 2013**

- Led a board of 13 officers in planning, organizing and executing all events of the Notre Dame Chapter of ASCE.
- Established financial stability, led concrete canoe team, assisted in conference logistics planning, reconstructed existing website, designed new logo, organized sale of new departmental attire, invested in long-term improvements for club, and improved communication and organization.
- Won the 2012 Great Lakes Regional Conference Technical Paper Competition.

Vice President, Notre Dame Chapter of Habitat For Humanity — **April 2012 – May 2013**

- Reconstructed club website, improved communication through introduction of weekly newsletter and use of social networking sites.

Member, Indiana Gamma Section of Tau Beta Pi | *national engineering honor society* — **November 2011**

Member, Notre Dame Chapter of Chi Epsilon | *national civil engineering honor society* — **April 2012**

Recipient, The Reverend Thomas A. Steiner Award, University of Notre Dame | *to outstanding students displaying all-around excellence* — **April 2013**

Recipient, The Kenneth R. Lauer Award, University of Notre Dame | *to a civil engineering student for leadership, integrity and service to classmates* — **May 2013**

Recipient, American Society of Civil Engineers (ASCE) Activity Award, University of Notre Dame | *for services to the ASCE chapter* — **May 2013**

Participant, 2011 London Summer Program, University of Notre Dame — **May 2011 – July 2011**

SKILLS

Technical: Word, Excel, PowerPoint, AutoCAD, AutoDesk Revit, SAP 2000, Bluebeam, Adobe inDesign, MATLAB, C/C++, Meet Manager