

# BRADLEY S. FREDERICK

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**Objective:** To obtain a full-time, entry-level position as a structural engineer with a company that will allow me to contribute as a valued team member and provide me with the experience necessary to become a successful licensed professional engineer.

**Education:** **The Pennsylvania State University** University Park, PA  
**Integrated M.S./B.A.E. - Structural Option** Fall 2008 – Present  
EIT status upon graduation in December 2013 **GPA: 3.87**

**Sede di Roma** Summer 2011  
Penn State Architectural Engineering Rome Study-Abroad Program

**Notable Coursework:** *Completed Coursework*  
- Introductory and advanced design of steel and concrete building structures  
- Indeterminate structural analysis  
- Computer modeling of building structures  
*Courses in progress*  
- Earthquake design for buildings  
- Design of steel connections  
*Scheduled coursework to be completed by May 2013*  
- Design of masonry structures  
- Building enclosure science and design  
- Pre-stressed concrete behavior and design

**Relevant Work Experience:** **Penn State Architectural Engineering Department**  
*Teaching Assistant* August 2012 – December 2012  
- Worked in collaboration with the course instructor for AE 402: Design of Concrete Building Structures  
- Graded homework assignments for students in AE 402  
*Research Assistant* July 2012 – August 2012  
- Assisted in testing of building components including concrete structural members and glass curtain wall assemblies  
- Calibrated test instruments and sensors

**Awards and Honors:**  
- Awarded the *Foreman Architects-Engineers Scholarship* for Fall 2012 and Spring 2013  
- Presented with the award for *Holbert Apple Associates Outstanding Performance in Structures in the 4th Year AE Class* for the 2011-2012 academic year  
- Received the 2011 *Louis and Judy Geschwindner Endowed Scholarship in AE*  
- Appointed to Dean's List every semester while attending college

**Activities/Skills:**  
- *Student Society of Architectural Engineers*, Director of Professional Relations, Mentor Member  
- *Earthquake Engineering Research Institute (EERI)* PSU Chapter competition design team member  
- *Structural Engineering Association*, Class Representative  
- *Engineering Orientation Network (EON)*, Board of Directors, Director of First-Year Recruitment  
  
- Experience in computer programs including STAAD, SAP, ETABS, and AutoCAD  
- Intramural Sports participant; managed flag football teams, played intramural basketball  
- Microsoft Certified in Microsoft Word; also skilled in PowerPoint, Excel, Publisher  
- Team leadership experience as Drum Major of high school competition marching band

References Available Upon Request