

## Brian C. Sampson

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**Objective:** Seeking an architectural engineering position where I can hone my analytical, communication and engineering skills while providing added value to the organization.

**Education:** **Pennsylvania State University, College of Engineering** University Park, PA  
*Master of Architectural Engineering - Mechanical Option* Graduation May, 2012  
*Bachelor of Architectural Engineering - Mechanical Option* Graduation May, 2012

- Cumulative GPA: 3.6/4.0
- Dean's List - Fall 2007 through Spring 2011
- Selected for the Integrated BIM Collaborative Thesis (Fall 2011 - Spring 2012)
- Selected for the Integrated BIM Collaborative Studio (Spring 2011)
- EIT status upon graduation in May 2012
- Graduate courses: *AE 558 Centralized Heating; AE 557 Centralized Cooling; AE 552 Air Quality in Buildings; AE 555 Building Control Systems; AE 551 Combined Heat and Power System Design*

**Pennsylvania State University, Sede di Roma College** Rome, Italy  
*Minor in Architectural Studies* June, 2009

**Experience:** **Bard, Rao + Athanas Consulting Engineers, LLC** Watertown, MA  
*HVAC Engineering Intern* May - August, 2010 and 2011

- Performed layout, design and drafting of complex mechanical equipment rooms containing air handling units, exhaust fans, heat exchangers, and pumps
- HVAC ductwork system design, including layout/ sizing, diffuser selection/ placement, and VAV box sizing/ placement
- Involved in building load calculations and energy modeling
- HVAC piping system design including layout/ sizing
- Performed calculations for design of stair and elevator hoistway pressurization systems
- Design and drafting for above performed using Revit 2011/12, AutoCAD 2011, and Excel
- Representative Projects:
  - VA Replacement Hospital-New Orleans (2,500,000 sf)*
  - The Ohio State University Medical Center - Cancer and Clinical Care (1,046,000 sf)*
  - Duke University Medical Center - Duke Medicine Pavilion (540,000 sf)*
  - University of Massachusetts Medical School - Albert Sherman Center (500,000 sf)*
  - Thomas Jefferson University Hospital - Ambulatory Care and Orthopedic Hospital (450,000 sf)*

**Bravante Automatic Sprinkler Corporation** Boonton, NJ  
*Engineering Intern* June - August, 2007 and 2008

- Designed wet, dry, pre-action pipe sprinkler systems
- Worked with CAD and HydroCAD programs
- Reviewed HVAC and electric plans and assisted at site surveys
- Coordinated with sprinkler installation crews on site

**Keller & Kirkpatrick, Inc.** Parsippany, NJ  
*Engineering Intern* June - August, 2006

- Assisted in various aspects of land surveying
- Site surveys included commercial buildings, road work, schools and residential

**Skills:** Strong personal computer skills, proficient in: Revit MEP, Trane Trace 700, AutoCAD, Navisworks, Revit Architecture, Ecotect Analysis, Green Building Studio, Photoshop, Adobe Dreamweaver

**Activities:** Student Society of Architectural Engineers ("SSAE") member  
Intramurals: Soccer (Dorm league champions), Flag Football and Softball

**High School:** Lacrosse High School All-American, '07 NJ Star Ledger Player of the Year, Morris County Scholar Athlete