

Ryan G. Johnson

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www.engr.psu.edu/ae/thesis/portfolios/2010/rgj5003

School

251 East Nittany Avenue
State College, PA 16801

Home

7 West First Avenue
Clearfield, PA 16830

Education

Pennsylvania State University

Integrated **Bachelor and Master of Architectural Engineering**—ABET Accredited

Structural Option, expected graduation May 2010 with EIT Status

GPA: 3.44/4.00

James M. Poblén Scholarship recipient- Recognition of strong character and exemplary achievement in AE

Masters Courses

Computer Modeling of Structures

Earthquake Engineering

Steel Connections

Building Failures

Building Enclosure Science

Advanced Steel / Advanced Concrete

Sede di Roma

Study abroad program in Italy allowing completion of an Architectural Studies minor

Building Failure Publication

Published building failure report, summarizing a historical engineering failure for ASCE Technical Council on Forensic Engineering (TCFE), on www.failures.wikispaces.org

Experience

Structura – Rockville, MD

Staff Engineer Intern, May/2009 - August/2009

- Assisted design and renovation projects throughout the Washington DC area
- Attended site visits to view and evaluate existing structural conditions
- Performed structural drawing coordination and calculation checks
- Utilized various design and analysis programs (Revit Structure, RAM, RISA, Enercalc)

The Pennsylvania State University – University Park, PA

Student Instructor, 2007-Present

- Instruct 30 students on design principles through computer modeling
- AutoCAD®, Revit Architecture® and building codes extensively used

Hughes Engineering - Clearfield, PA

Engineering Assistant, July/2008 - August/2008

- Aided 2 Professional Engineers and drafting staff with various architecture and engineering functions throughout the design process
- Created a new website to update company profile

The Pennsylvania Department of Transportation - Clearfield, PA

Engineering Intern, May/2007 - August/2007, May/2006– August/2006

- Assisted in the management of construction on State Route 453 and State Route 879
- Conducted measurements for exact placement of materials as well as calculated quantity used in order to maintain proper budgeting

Volunteer Experience

Habitat for Humanity

2007-Present

- Collegiate Challenge Spring Break (2008,2009)
 - Rebuilt homes destroyed by Hurricane Katrina in Florida and Louisiana
- Operation HUB Build
 - Facilitated construction of 8-10 students building wall frames

Penn State Dance Marathon (THON)

2008-2009

- Controlled Rules and Regulation security during THON

Boy Scouts of America, Eagle Scout

1996-2005

- Designed and led troop in building a 60' walking bridge