

Aaron Zook

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OBJECTIVE: To obtain a full time position as a civil or structural engineer and to contribute to an organization's success by utilizing my technical, organizational, and communication skills.

EDUCATION: **Bachelors of Science in Civil Engineering** (emphasis in structures) anticipated May 2011
The Pennsylvania State University-University Park, PA
Major GPA: **3.61/4.0**

Relevant Coursework:

Advanced Structural Design	Structural Design of Foundations
Design of Concrete Structures	Structural Dynamics
Design of Steel Structures	Design of Solar Energy Systems for Buildings

PROJECTS: **Integrated Capstone Project for Advanced Structural Design**

- Designed a 65,280 ft² industrial facility with attached 30,720 ft² 2-story office building
- Worked in a team of 4 to design all steel framing and pile cap foundations
- Project included stepped column and crane girder analysis and design
- Produced a set of architectural drawings using AutoCAD and truss analysis using SAP 2000

2011 EERI Undergraduate Student Seismic Design Competition

- Designed and constructed a model wood structure for earthquake simulations
- Modeled structure using SAP 2000 to calculate deflections and determine behavior of structure under seismic loads and produced architectural drawings using AutoCAD

WORK EXPERIENCE: **Grading Assistant, Dr. Velegol - Professor of Civil Engineering** **January 2011-Present**
University Park, PA

- Responsible for grading and providing feedback for all homework assignments for CE 371-Design of Water and Wastewater Treatment

Front Desk Agent, Super 8 Motel **June 2010-November 2010**
State College, PA

- Provided courteous assistance to ensure trouble-free visits for guests
- Processed guest complaints and took appropriate action to remedy the problem

Student Assistant, Penn State Engineering Advising Center **May 2009-August 2009**
University Park, PA

- Performed daily office tasks to assist advisers with preparation for incoming students
- Responsible for computer operations during freshman orientation and scheduling

ACTIVITIES/ AWARDS: Member of the Earthquake Engineering Research Institute (2010-Present)

Dean's List: Fall 2009, Fall 2010

Member of Penn State Snowboard Club (2007-Present)

SKILLS: AutoCAD, SAP 2000, MS-Office, Solidworks