

MICHAEL J. SZOTT

Senior Thesis Website:

<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/mjs577>

Objective: To obtain a structural engineering position that will allow me to utilize my knowledge in the field of structural design while gaining valuable job experience.

Education

2003 – Present *The Pennsylvania State University* University Park, PA

- ❖ 5th year Architectural Engineering student: Structural Option
- ❖ 3.50/4.0 Cumulative GPA
- ❖ Enrolled in the PSUAE Integrated Masters Program
- ❖ Will graduate with a Baccalaureate Degree and Master's Degree in Architectural Engineering
- ❖ Passed the F.E. Exam: E.I.T. upon graduation (December 2007)
- ❖ Year long thesis study of Duquesne University's Multipurpose Facility
- ❖ Phi Alpha Epsilon Architectural Engineering Honor Society
- ❖ Awarded SciTech, Melvin H. Peters, John R. Potter, and Jordan AC Endowed Scholarships
- ❖ Member of the Penn State McKeesport Honors Program
- ❖ AE department grader for AE 402, Design of Concrete Structures for Buildings

Work Experience

May – August 2006 *Atlantic Engineering Services* Pittsburgh, PA

- ❖ Performed structural design calculations using Enercalc, RAM Steel, and STAAD
- ❖ Worked with steel, concrete, and wood buildings analyzing and designing lateral framing, foundations, and various other building systems
- ❖ Analyzed and redesigned pre-existing structural elements for new loading conditions

May – August 2005 *Foreman Program Construction Managers* Zelienople, PA

- ❖ Onsite management of two different sites: Norwin Middle School/Gateway High School
- ❖ Responsibilities included daily site inspection, progress monitoring, daily logs, interaction with contractors (onsite and otherwise), construction document interpretation, etc...

May – August 2004 *R.E. Crawford Construction Company* Springdale, PA

- ❖ Responsible for multiple take-offs for both the Estimating and Project Management Departments
- ❖ Regular interaction with subcontractors and business partners alike

Achievements

1996 – 2002 *Boy Scouts of America* West Mifflin, PA

- ❖ **Eagle Scout:** Achieved highest scout ranking after ten years of involvement in the Boy Scouts
- ❖ Developed and managed construction and landscaping of a worship area at Holy Spirit Church

Activities

- ❖ *PSU McKeesport* : Men's Soccer Team, Men's Basketball Team
- ❖ *University Park Campus*: THON Rules and Regulations committee member, intramural football/basketball/soccer/softball, Senior Thesis Hosting Committee, Structural Engineers Association, Student Society of Architectural Engineers, AISC student member

Applicable Skills and Coursework

- ❖ Abilities in AutoCAD, RAM, STAAD, Enercalc, Primavera, MC², Microsoft Word/Excel
- ❖ Graduate coursework: steel connections, building failures, and earthquake design

References Upon Request