

BRIAN M. BARNA

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EDUCATION

The Pennsylvania State University

2002-Present

- Currently working toward an Honors Baccalaureate degree (B.A.E.) and a Master's degree (M.A.E.) in architectural engineering. Will also earn a minor in architecture. Graduation in May 2007.
- Passed the Fundamentals of Engineering Exam. E.I.T. status gained upon graduation.
- Schreyer Honors College scholar.
- Studied architecture in Rome, Italy in Summer 2005 under the *Sede di Roma* program.

West Mifflin Area High School

1998-2002

- Class of 2002 Salutatorian (4.30 GPA). Gave speech on graduation day.
- Earned 2002 Male Scholar-Athlete of the Year Award.
- Took college classes while in high school under Penn State's Exceptional High School Student Program.
- National Honor Society member.

HONORS

- Dean's List for seven semesters (3.63 overall GPA/3.67 major GPA).
- First Place architectural design for Kish Bank branch that was constructed in State College, PA
- Activities Chair for Tau Beta Pi Engineering Honors Society for three semesters.
- Phi Alpha Epsilon Architectural Engineering Honor Society.
- Recipient of U. S. Steel Scholarship.

WORK EXPERIENCE

The Pennsylvania State University

Fall 2006 – Spring 2007

Teaching Assistant for AE401 – Steel and Wood Design and AE403 – Advanced Steel Design.
Taught review sessions, graded homework, and held office hours to assist student learning.

Vitetta

Summer 2006

Structural engineering internship at architecture + engineering firm. Designed a roof system using RAM Steel and cost analysis, trusses and moment frames using RAM Advan-se, and lintels and retaining walls using Enercalc. Checked shop drawings for compliance with blueprints and loading/code requirements, and edited and created plans and details using AutoCAD.

The Pennsylvania State University

Fall 2005 – Spring 2006

Teaching Intern for AE 310 – HVAC Systems. Taught two weekly recitation sections of thirty students per semester. Also performed lab demonstrations and assisted in grading final projects.

R. E. Crawford Construction

Summer 2004

Construction management internship at general contracting firm. Duties included comparing shop drawings to construction documents and blueprints, bid procurement, subcontractor correspondence, and preparation of closeout documents.

RELEVANT SKILLS AND COURSE WORK

- Graduate coursework: steel connections, building failures, enclosure design, and earthquake design.
- Structural elective coursework: masonry design, wood design, ancient and medieval structures.
- Experienced with AutoCAD, RAM Modeler, RAM Advan-se, Adobe Photoshop, and Microsoft Office.
- Architectural design in both America and Europe, both modern and historic.
- Honors study of the Seven Wonders of the Ancient World.