

Amanda L. Gerstenberg

- OBJECTIVE** To expand my knowledge and experience in **Architectural Engineering** through a **full time residential structural** career in pursuit of Professional Engineering License
- EDUCATION** **Bachelor of Architectural Engineering**
Master of Architectural Engineering
5 year ABET Accredited Professional Degree
Minor in Engineering Leadership Development
Passed Fundamentals of Engineering Exam April 2005 – E.I.T. status upon Graduation
The Pennsylvania State University
University Park, PA
Graduation: May 2006 **Cumulative GPA: 3.56/4.00**
- HONORS** Phi Alpha Epsilon – **Architectural Engineering Honor Society**
College of Engineering **Intern Student of the Year Nominee** 2004
College of Engineering **Co-op Student of the Year Nominee** 2005
- WORK EXPERIENCE** *Trus Joist, a Weyerhaeuser Business*
Summer Residential Engineering Intern
Sacramento, CA *Summer 2005*
- Developed orientation and reference tutorial to repair joists
 - Researched methods and practices and **developed literature** which displayed the capacity of TJI Joists to be used as drag struts
 - Developed program to simplify **anchor bolt design** for shear panels in accordance with **ACI 2002**
 - Specified necessary repairs or supporting calculations for damaged members
 - **Visited construction sites** to verify specified design was built
- Charlotte, NC* *Summer 2004*
- **Designed columns, beams, and headers** for any wall over 11 feet
 - Researched floor performance to co-write an extensive excel-based program to compare and contrast floor systems
 - **July Technical Associate of the Month** (nationwide) for Innovation Project
- Appalachian Builders* *Summer 2003*
Draftsman
Quakertown, PA
- **Surveyed construction site** determining if job requested can be executed
 - **Developed working sets of drawings** for two-story additions to residential houses by hand and in Auto CAD
 - **Presented completed drawings** to clients and employees

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WORK EXPERIENCE *University Learning Centers* *Fall 2002-present*
(CONTINUED) *Student Coordinator, Math Tutor, Receptionist*
University Park, PA

- Lead monthly meetings to discuss performance and problems
- One-on-one and group tutoring
- Advise study skills, exam preparation, and problem-solving on math topics through Calculus on a drop-in basis

COMPUTER SKILLS **Auto CAD 2004**
Microsoft Office
FORTRAN 90/95

EXPERIENCE *Evaluated Fire Safety Codes*

- Generated floor plans for local fraternities by measuring the existing building
- Researched proper fire code according to state, local, and federal guidelines
- Determined any violations of code and discussed options with owner

RELEVANT ACTIVITIES **Society of Women Engineers**
Dance Marathon Chairperson helping to raise \$3.6 million for pediatric cancer

- Organized fund-raising trips for groups of students including housing arrangements and company involvement
- Presented at High Schools to recruit potential Penn State Engineering students

Engineering Mentorship Program

- Paired 1,600 incoming freshman with current student mentors
- Advise students on adjusting to college as mentor

Resident Assistant

- Coordinate social and educational activities for floor of 43 students in The College of Science or Engineering
- Enforce university policies and respond to occurrences on a regular basis

THESIS Maintain Capstone Project Electronic Portfolio (CPEP) website displaying completed projects and assignments:
<http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/alg919/>

The 400 Harborside Condominiums
Bremerton, WA

- Contact necessary project team members as necessary

