

CYNTHIA MILINICHIK

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<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/CLM311/>

OBJECTIVE

To obtain a structural engineering position and work toward my professional license.

WORK EXPERIENCE

- | | | |
|---|--------------------------------------|------------------|
| Summer 2006 | <u>Borton Lawson Engineering</u> | Bethlehem, PA |
| Structural Engineering Intern | | |
| § Designed Gravity Load System for the new Archer Daniels Midland Chocolate Factory | | |
| § Developed LRFD Composite Slab Design Spreadsheet to Supplement Hand Calculations | | |
| § Modeled Structure in STAAD to Aid Wind Load Analysis | | |
| Summer 2005 | <u>Structural Repair Group, LLC.</u> | Gaithersburg, MD |
| Assistant Project Inspector | | |
| § Investigated Existing Structures for Cause of Failure or Potential Failure | | |
| § Recorded Observations of Implemented Repairs during Construction Monitoring Phase | | |
| § Converted Repair Design Documents from Hand Sketches into AutoCAD Files | | |
| Summer 2004 | <u>Lutron Electronics Co., Inc.</u> | Coopersburg, PA |
| Technical Support | | |
| § Communicated Information with Confidence Ensuring Customer Faith | | |
| § Assisted Customers with Questions Regarding their Lighting Control Needs | | |
| § Specialized in Wall Box, High Power Modules, Ballast, General Technical | | |

EDUCATION

- | | | |
|--|--|---------------------|
| 2002 – Present | <u>The Pennsylvania State University</u> | University Park, PA |
| n Degree of Study: Integrated Bachelor and Master of Architectural Engineering | | |
| n Structural Option | | |
| n Five Year ABET Accredited Professional Bachelors Degree | | |
| n Expected Graduation Date: July 2007 | | |
| n Cumulative Grade Point Average: 3.36/4.00 | | |
| n Passed the Fundamentals of Engineering Exam in April 2006 | | |
| n Related Courses and Course Projects: | | |
| § Steel § Concrete § Foundations § Historic Preservation § Structural Analysis | | |
| § Wood § Surveying § Connections § Indeterminate Structures § Building Failures | | |
| n Analyzed the Structural Wood Members of a 200-year-old Historic Mansion | | |
| n Designed Personal Web Page: www.personal.psu.edu/clm311 | | |
| n Software Experience: | | |
| § STAAD § RAM Steel § AutoCAD § Excel § Dreamweaver | | |

ACTIVITIES

- § President of the Structural Engineers Association, Penn State Student Chapter
- § AE Envoy: Selected by AE Dept. to Represent the major to Prospective AE Students
- § AISC – American Institute of Steel Construction: Student Member
- § Developing a Solar House Design for the National Solar Decathlon Competition

AWARDS

- § 2006 Simpson Gumpertz and Heger Scholarship
- § 2004, 2003, 2002 Thomas R. and Laura Ridge Scholarship

INTERESTS

- § Sustainable Design, Historic Preservation, Architecture, Photography