

Caitlin M. Ferrell

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Objective

To obtain a design position with a progressive Architectural/Structural Engineering firm where invaluable experience can be gained and utilized toward registration in the engineering profession.

Education

The Pennsylvania State University, University Park, Pennsylvania

Major: Architectural Engineering, Structural Option

Bachelor of Architectural Engineering, 5-year ABET accredited program, anticipated May 2006

GPA: 3.56/4.00

The University of Leeds, Leeds, England

Architectural Engineering Study Abroad Program, Fall 2004

Have passed the FE exam and will obtain EIT upon graduation

Work Experience

Atlantic Engineering Services, Pittsburgh, Pennsylvania, *Structural Intern*, Summer 2005

- Participated in canopy, foundation, beam and column design
- Analyzed existing concrete parking garage for structural capacity during renovation
- Utilized engineering design programs such as Ram Steel, EnerCalc, and STAAD

Ferrell Excavating Co. Inc., Logan, West Virginia, *Intern*, Summer 2004

- Chief Logan State Park: Liz Spurlock Amphitheater Seating Design
 - Designed and drafted a proposal for new stadium seating
 - Developed a detailed cost estimate to be used to obtain State funding
- St. Francis of Assisi Catholic Church Expansion Design
 - Designed initial plan for a church addition and new social hall to be approved by the congregation and submitted to an Architecture and Engineering Firm
 - Obtained cost estimates from architectural firms and kitchen and window suppliers
- Residential Area Development Project Cost Estimating and Surveying
- Town of Mitchell Heights Zoning and Building Code Amendment Recommendations

ZMM, Inc., Charleston, West Virginia, *Intern*, Summer 2003

- Lincoln County High School Design and Construction
 - Assisted in the review of shop drawings
 - Built a site model
- Utilized Auto Cad 2001 for the design of jails, schools, and other public facilities
- Assisted in administrative work in the construction management department

Logan Concrete, Inc., Logan, West Virginia, *Intern*, Summer 2002

- Tested aggregates for compliance with WVDOH requirements
- Prepared and maintained charts for WVDOH review

Badger Lumber Co., Inc., Logan, West Virginia, *Summer Employment*, Summers 1997 – 2001

Specialized Computer Skills

Completed two AutoCAD courses with continued use through other courses

Honors and Activities

Phi Alpha Epsilon, Architectural Engineering Honor Society for top third of 5th year class, Inducted Spring 2005

Mortarboard National Senior Honor Society, Inducted Spring 2004

Phi Sigma Pi National Honor Fraternity, Fall 2002 - Present

- Alumni Committee Chairperson, Fall 2003/ Spring 2004

National Association of Home Builders, Penn State Student Chapter, AE Representative, Fall 2003 - Present

Architectural Engineering Department Envoy, Representative, Fall 2005

Student Society of Architectural Engineers, Fall 2003 - Present

Engineering Mentorship Program, Mentor, Fall 2003

Society of Women Engineers, Fall 2003 - Present