

Kristin D. Ruth

School Address:

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4962 Mar Street
Coopersburg, PA 18036
(610) 282-3205

Capstone Project Electronic Portfolio: <http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/kdr136/>

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Objective Seeking a full-time Structural Engineering position

Education **The Pennsylvania State University**, University Park, PA

- Master of Architectural Engineering
- Bachelor of Architectural Engineering
- Structural Option
- 5-year Professional Degree – ABET accredited

- Passed Fundamentals of Engineering Exam - April 2005
Will receive E.I.T. certification upon graduation
- Dean's List - Fall 2001, Spring 2002, Spring 2003, Fall 2003, Spring 2004,
Fall 2004, Spring 2005
- Graduation - May 2006
- Current G.P.A. (Cumulative) - **3.73/4.00**

Work Experience **Structural Design Group, Ltd.**, Gaithersburg, MD

Structural Engineering Intern – Summer 2005

- Designed structures using wood, concrete, and steel
- Calculated column and foundation loads for low-rise and high-rise structures
- Coordinated structural design with architectural drawings
- Communicated with architects throughout the structural design process
- Created structural drawings, including plans, sections, details and notes

Beitler Land Surveying, Fogelsville, PA

Civil Engineering Intern - Summer 2004 and Winter 2004/2005

- Performed Stormwater Management and Erosion and Sedimentation Control calculations and prepared reports
- Prepared Erosion and Sedimentation Control plans

Assistant Surveyor - Summer 2001, 2002, 2003

- Surveyed properties with a small field crew
- Typed descriptions from recorded plans and ran enclosures
- Researched deeds in the courthouse, updated database files, printed and delivered blueprints, and answered the telephone

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Relevant Courses

Steel Design
Advanced Steel Design
Steel Connections
Concrete Design
Advanced Concrete Design
Prestressed Concrete

Design of Wood Structures
Indeterminate Analysis
Structural Analysis
Building Failures
Geotechnical Engineering
Construction Engineering

Thesis

Thesis Building - The Regent
Building Location - Arlington, VA
CPEP Website - <http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/kdr136/>

Year-long senior capstone project

Thesis requirements include:

- Preparing technical assignments based on the study and analysis of the existing structural system and alternative structural systems for an actual building
- Developing and managing a Capstone Project Electronic Portfolio
- Focusing on structural design and analysis as well as other Architectural Engineering areas

Computer Experience

AutoCAD 2005
WoodWorks
EnerCalc
RISA

SAP2000
RAM
Microsoft Word
Microsoft Excel

Scholarships

Gladys M. Baird Memorial Scholarship (Spring 2005)
Class of 1975 Scholarship (Spring 2004)

Activities

Structural Engineering Association (Fall 2005 – Present)
Architectural Engineering Honors Society – Phi Alpha Epsilon (Spring 2005 – Present)
Student Society of Architectural Engineers (Fall 2003 – present)
Student Host – 2004 Architectural Engineering Career Fair (Fall 2004)

Engineering and Applied Science Interest House (Fall 2001 – Spring 2003)
Society of Women Engineers (Fall 2001 – Spring 2002)
3rd Place – National Engineering Design Challenge (Fall 2000 – Spring 2001)