

Caitlin L. Hanzel

School:

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State College, PA 16801
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Home:

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Career Objective:

To acquire a position as a Mechanical Designer, where I can utilize my knowledge in HVAC design, as well as my leadership capabilities and past work experiences

Education:**Bachelor of Science: Architectural Engineering, Mechanical Option**

08/04 - Present

- The Pennsylvania State University, University Park, PA 16802
- Minor: Architectural Studies
- Cumulative GPA: 3.76 / 4.0
- Anticipated Graduation: May 2009

Sede di Roma

Summer 2007

- AE Study Abroad Program
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Work Experience:**Michael Baker Associates**

05/08-08/08

Mechanical Intern

- Designed and sized ductwork and piping layouts
- Responsible for the sizing and selection of VAV boxes, diffusers, and other air handling devices
- Performed ASHRAE 62.1 and 90.1 calculations on various projects
- Conducted feasibility reports for the implementation of greywater and rainwater collection systems

Tower Engineering

05/06-08/07

Mechanical Intern

- Performed building load calculations using Carrier's HAP 43
- Responsible for the interpretation of design output and equipment selection
- Updated new, current, and red-lined drawings on AutoCAD
- Reviewed submittals and shop drawings for the MEP departments
- Took part in the on-site collection of as-built information

The Pennsylvania State University

08/08-Present

Teaching Assistant

- Helped with the instruction of practicums for AE 310, an introduction to HVAC course
 - Assisted in grading exams, projects and homework assignments
 - Directed student review sessions during exam weeks
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Honors:

- Dean's List: all 8 semesters
- Passed the FE exam in October 2007; will be EIT certified upon graduation
- Member of Tau Beta Pi and Phi Alpha Epsilon Honor Societies

Activities:

- Penn State's ASHRAE Student Branch
 - Blue and White Society member
 - Architectural Engineering Student Envoy
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Computer Skills:

Proficient in Autodesk AutoCAD and Revit, Carrier's HAP43, Trane's TRACE 700, Microsoft Excel, PowerPoint and Word, and Adobe Photoshop and Pagemaker

References:

Available upon request