

# Jessica M. Lucas

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**Career Objective** To obtain a full-time position at an Architectural or MEP engineering firm that will best utilize my skills in HVAC systems design.

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## Education

The Pennsylvania State University, University Park, PA May 2006

- **Bachelor of Architectural Engineering** **GPA: 3.75**
- **Master of Architectural Engineering** **GPA: 3.80**  
ABET accredited Five Year Professional Degree  
Emphasis: Mechanical Systems Design
- **Passed Fundamentals of Engineering Exam**

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## Experience

**The Thornton-Tomasetti Group**, New York, NY: Engineer Intern June 2005-Aug. 2005

- Cooling/Heating Load analysis using Carrier's Hourly Analysis Program
- Dewpoint temperature analysis
- On-site surveys to determine existing conditions
- Ventilation requirement calculations

**The Pennsylvania State University**, University Park, PA: Research Sept. 2005- Dec. 2005

- Indoor air quality research studying the effects of UV Light as a treatment method for indoor air containing allergen particles.
- Research guided by Dr. James Freihaut, Associate Professor of Architectural Engineering

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## Achievements/Awards

- National Engineering Honor Society- **Tau Beta Pi**
  - Golden Key International Honour Society
  - National Society of Collegiate Scholars
  - Alpha Lambda Delta Honor Society
  - FLUOR Corporation Scholarship
  - York International Scholarship
  - Mary Lowey Friedman Scholarship
  - PSU Board of Trustees Scholarship
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## Activities

- Student Society of Architectural Engineers
  - ASHRAE Student Branch
  - E-Mentor: Women in Engineering Program
  - America Reads/America Counts Program
  - Community Service Volunteer
  - Tau Beta Pi Community Activities
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## Skills

- AutoCAD
  - Carrier Hourly Analysis Program
  - Engineering Equation Solver
  - Trane Acoustics Program
  - Microsoft Office
  - Visual C++
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**References** Available Upon Request