

# HEATHER M. STAPEL

<http://www.personal.psu.edu/hms179>

<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/HMS179/>

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## **OBJECTIVES:**

**Professional Career in HVAC and Plumbing Engineering**, interested in energy analysis and modeling.

## **EDUCATION:**

- **Bachelor of Architectural Engineering**  
The Pennsylvania State University  
GPA: 3.46/4.00
- **Engineer In Training Exam**; Passed October, 2005
- **Master of Architectural Engineering**  
University Park, PA  
5-Year ABET Accredited Program  
**Expected Graduation: May 2007**

## **WORK EXPERIENCE:**

- **Cannon Design | Buffalo, NY**
  - Specialization in energy modeling / analysis
- **CJL Engineering | Pittsburgh, PA**
  - Energy Modeling, Thermal Modeling
  - LEED Certification process and calculations
- **Burt Hill | Washington, DC**
  - Project Punchlisting
  - Building load calculations
- **The Whiting-Turner Contracting Company | MD**
  - Bid selection, pricing, estimating, scheduling
- **Women in Engineering Program | Penn State**
  - Developed teamwork and problem solving skills
- **NCAA Athlete Tutor | Penn State**
  - Assisted students in math, physics, and chemistry
- **Starting Mechanical Engineer; Summer '07**
  - Mechanical systems design
- **Mechanical Engineering Intern; Summer '06**
  - Fenestration systems analysis
- **Mechanical Engineering Intern; Summer '05**
  - Plumbing fixture specification
- **Project Intern; Summer '04**
  - Contact subcontractors, architects, engineers
- **Study Group Facilitator; Fall '03, '04; Sp. '06**
  - Supervised up to six women.
- **Fall '05-Spr. '06**

## **EXPERIENCE / SKILLS:**

- Therm, Window, WUFI
- Trace, HAP, eQuest, Energy Plus
- AutoCAD 2000 - 2007
- LEED Certification Process
- Excellent Communication Skills
- COM check

## **ACTIVITIES:**

- **ASHRAE, Penn State Student Branch** Fall '05-Present
- **Solar Decathlon** Fall '06-Present
  - Mechanical design team, international solar housing competition (about 20 hr / week)
- **Engineering Undergraduate Council** Sp. '05-Present
  - Allocations Committee Chair**
    - Controls 10-15 person committee, distributes funds to student organizations
- **Society of Women Engineers** Fall '02-Present
  - Volunteer in preschool fundraisers, church events, career fair
- **Intramural Sports** Sp. '05-Present
- **Women in Engineering Program (WEP)** Fall '02-Present
  - Coach groups of 4-18 year old girls in creative design, marketing, research, and more

## **AWARDS:**

- Phi Alpha Epsilon – AE Honor Society Sp. '07
- Gladys M. Baird Scholarship in Architectural Engineering Fall '06-Sp. '07
- E.J. Hanley Memorial Scholarship Fall '02-Sp. '06
- Broughton Trustee Scholarship in Engineering Fall '04-Sp. '05
- Dean's List Fall '03, '06; Sp. '03, '06