

# JULIA ANNE THORPE

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◆ www.arche.psu.edu/thesis/eportfolio/current/portfolios/jat280/ ◆

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## OBJECTIVE

To obtain a summer internship in the mechanical option of Architectural Engineering and continue to develop professional skills in the building industry.

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## EDUCATION

*The Pennsylvania State University*, University Park, PA  
Architectural Engineering Major, Mechanical Option  
Integrated Bachelors/Masters of Architectural Engineering Degree  
5-year professional degree – ABET accredited  
Anticipated graduation: December 2006 AE GPA 3.60/4.00  
Passed F.E. exam in April 2005, EIT upon graduation GPA 3.40/4.00

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## WORK EXPERIENCE

**Jacobs Facilities, Inc.** 2005 Arlington, VA

### **Mechanical Engineering Internship**

- ◆ Performed heating and cooling load calculations for various airports.
- ◆ Updated ductwork design for LaGuardia ATCT.
- ◆ Verified HVAC design for U.S. Embassy in Eastern Europe.

**Penn State University** 2004 to present University Park, PA

### **Architectural Engineering Teaching Assistant**

- ◆ Introduction to Mechanical System Design.
- ◆ Introduction to Architectural Acoustics.
  - ◆ Taught practicum classes and assisting students.
  - ◆ Assisted with grading practicums, quizzes, and exams.

**Penn State University** 2004 University Park, PA

### **HVAC Research**

- ◆ Prepared future research projects for professors.

**La Societe Artesienne de Vinyle** 2002 Bethune, France

### **International Engineering Internship**

- ◆ Assistant for the Safety and Environment Department.
- ◆ Updated and translated chemical and reactor safety protocol.

**British Embassy** 2001 Washington, D.C

### **International Politics Internship**

- ◆ Organized International Fellowships.
  - ◆ Created Reference material based on United States educational system.
  - ◆ Updated the Marshal Scholarship data publication.
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## AWARDS & ACTIVITIES

Gladys M. Baird Memorial Scholarship 2004  
Engineers for a Sustainable World 2005 to present  
Team Leader – Project in Nueva Esperanza, El Salvador  
ASHRAE 2004 to present  
Member  
Student Society of Architectural Engineers 2004 to present  
Vice President / THON Chairperson  
AE Department 2004 to present  
Student Envoy  
Society of Women Engineers 2001 to present  
Member  
Kappa Phi Club 2001 to present  
Vice President/Pledge Coordinator/THON Chairperson