

# PATRICK BRIAN MURPHY

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**Permanent Address**

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**University Address**

119 Locust Lane, Apt A11  
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**OBJECTIVE**

To continue a career that will allow me to challenge my engineering education, gain experience in the Mechanical/HVAC field, and refine my teamwork skills in a professional setting.

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**EDUCATION**

**The Pennsylvania State University**, University Park, PA *Fall 2002 – Spring 2007*

**Integrated Bachelor and Master of Architectural Engineering**

- ◆ 5 year Professional Degree - ABET Accredited Program
- ◆ Passed FE Exam and earned **EIT Certification** upon graduation
- ◆ **Cumulative GPA: 3.54/4.0; Major GPA: 3.60/4.0**

**Schreyer Honors College**, Penn State University *Fall 2002 – Spring 2007*

**Penn State Sede di Roma**, Rome, Italy *Summer 2004*

**Architectural Studies Minor**, Study Abroad Program

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**SENIOR THESIS:**

*Sustainable Solutions for Energy Efficiency and Acoustic Performance:*

*An Analysis of the Gallaudet University Sorenson Language and Communication Center (SLCC)*

Website (CPEP): <http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/pbm119>

- ◆ Outstanding Senior Thesis in the Area of Sustainable Design Award
  - ◆ James G. Davis Construction Award – Outstanding Capstone Electronic Portfolio (CPEP)
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**WORK EXPERIENCE**

**Vanderweil Engineers**, Alexandria, VA *Anticipated Start: Summer 2007*  
*Graduate Mechanical Engineer*

**SmithGroup**, Washington, DC *Summer 2006*  
*Mechanical Intern, Learning Studio*

- ◆ Coordinated with Architects and Mechanical, Plumbing, and Electrical Engineers in a professional office to plan unique learning facilities.
- ◆ Sized and designed exhaust system; coordinated shafts, access, etc.; consulted manufacturer reps; edited specs; and drafted mechanical plans.
- ◆ Highlight Projects: - Gallaudet University SLCC  
- National Academy of Science Headquarters survey

**CUH2A**, Princeton, NJ *Summer 2005*  
*HVAC Intern*

- ◆ Calculated loads, requirements, and losses per ASHRAE Standards; sized equipment; and drafted mechanical plans, details, and system diagrams.
  - ◆ Highlight Projects: - University of Alabama-Birmingham SEBLAB RBL  
- Boston University National Bio-Safety Laboratory
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**COMPUTER PROFICIENCIES**

AutoCAD, TurboCAD, Carrier's HAP, Adobe, MS Office, Dreamweaver

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**ACTIVITIES**

**Phi Alpha Epsilon**, Architectural Engineering Honor Society *Spring 2006 – Spring 2007*

**Penn State ASHRAE President**, Trip Coordinator *Fall 2005 – Spring 2007*

**AE Envoy**, Department recruiter and tour guide *Fall 2005 – Spring 2007*

**Co-leader**, Penn State Students for Tobacco Awareness *Spring 2005 – Spring 2007*

**Penn State Men's Varsity Cross Country and Track** *Fall 2002 – Spring 2007*

**Testified before PA Senate Committee on Public Health** *Fall 2005*

**Teaching Assistant**, Environmental Control Systems *Spring 2005*

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**REFERENCES**

Available upon request