

# JUSTIN S. BEM

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[www.arche.psu.edu/thesis/eportfolio/2007/portfolios/JSB284/](http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/JSB284/)

School address

Permanent address

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Portage, PA 15946

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814-736-3659

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## OBJECTIVE:

Seeking an entry level engineering position in building mechanical systems design to gain professional experience and knowledge while utilizing my skills to make a positive contribution

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## EDUCATION:

The Pennsylvania State University 2002-2007

Bachelor of Architectural Engineering - Mechanical Option

**Expected Graduation:** August 2007 (ABET Accredited 5-year degree)

**Cumulative GPA:** 3.86/4.0 - Deans list 9 out of 9 semesters

**EIT upon graduation – Passed Fundamentals of Engineering exam in April 2006**

The Pennsylvania State University 2007

Master of Science in Architectural Engineering

**Expected Graduation:** May 2008

**Research:** Development of Assessment Protocols for Building Security Measures

**Sponsor:** National Center for Energy Management and Building Technologies

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## WORK EXPERIENCE:

**James Posey Associates, Inc. – Baltimore, MD**

**May 2008**

**Mechanical Engineer**

**H.F. Lenz Company - Johnstown, PA**

**Summer 2005-2006**

**Mechanical Engineering Intern Health and Education Team**

- Calculated building loads and HVAC equipment sizes
  - Calculated duct and pipe sizes and static pressure losses
  - Duct and pipe design and equipment layout for an elementary school
  - Site surveyed hospitals for existing conditions
  - Revised existing HVAC systems for hospital renovations
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## AWARDS AND ACTIVITIES:

- 1<sup>st</sup> Place 2006 ASHRAE Student Design Competition
    - System Design and Selection
  - Tau Beta Pi, National Engineering Honors Society
  - Phi Kappa Phi Honor Society
  - Phi Alpha Epsilon, AE Honors Society
  - BR + A Consulting Engineers Prof. Melvin Isenberg Memorial Scholarship
  - Publicity Chair of the Penn State ASHRAE Student Branch
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**REFERENCES AVAILABLE UPON REQUEST**