

NATHAN TADHG PATRICK

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Permanent Address:
155 Leffler Dr.
Johnstown, PA 15904
(814) 266-4119

OBJECTIVE:

Seeking to gain experience and knowledge through a summer internship position in the mechanical option of Architectural Engineering

EDUCATION:

The Pennsylvania State University, University Park, PA 16802
Integrated Bachelor/Master of Architectural Engineering Degree
Expected Graduation: December 2006 (ABET Accredited 5-year degree)

Current GPA: 3.73/4.00, Dean's List all semesters

- Experienced in AutoCAD 2000 – 2005, Autodesk Building Systems software, Microsoft Office 2003 programs, and Carrier's HAP
 - Passed the Fundamentals of Engineering Exam in April 2005, will earn EIT status upon graduation
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WORK EXPERIENCE:

Southland Industries, Inc. – Engineering Team Summer 2005

Mechanical Building Systems Intern
Sterling, VA 20166 (Mid-Atlantic Division)

- Designed the finned tube radiators, hot water, chilled water, and blended chilled water piping systems for the \$5.2 million DC Superior Courthouse renovation project
- Developed the Division standard set of more than 130 mechanical piping, ductwork, and plumbing details
- Calculated duct static pressure and pipe friction losses

The Pennsylvania State University – AE Department Fall 2004 to Present
Architectural Engineering Teaching Intern
University Park, PA 16802

- Instructed in practicum sessions for Architectural Acoustics and Introduction to Building Mechanical Systems courses
- Assisted with course management and grading

H.F. Lenz, Co. – Education and Health Care Team Summer 2004

Mechanical Engineering Intern
Johnstown, PA 15904

- Calculated piping, ductwork, and HVAC equipment sizes
 - Designed piping layouts for mechanical systems
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AWARDS/ACTIVITIES:

- President of ASHRAE for the Penn State student branch – 2005
- Recipient of the ASHRAE Reuben Trane Scholarship – 2004 and 2005
- Recipient of the CUH2A Outstanding Performance in Mechanical in the 4th year AE Class Award – 2005
- Engineers for a Sustainable World, Nueva Esperanza, El Salvador computer building cooling system project team member – 2005
- Phi Alpha Epsilon, AE Honor Society – 2005
- Tau Beta Pi, Pennsylvania Beta Chapter – 2004 and 2005
- AE Envoy for the Architectural Engineering Department – 2004 and 2005
- Vice President of the Student Society of Architectural Engineers – 2004