

# William K. Tang

**Permanent Address:**  
1025 Griffith Street  
Philadelphia, PA 19111

**Local Address:**  
950 W. Aaron Dr. Apt. C-1  
State College, PA 16803

**Phone:** (215) 272-4506  
**E-mail:** wktang@psu.edu

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## PROFILE

Dedicating and aspiring Architectural Engineering student with interest in building mechanical design, seek a full time position where I can acquire valuable experience and utilize toward registration in engineering profession. Willing to relocate.

## EDUCATION

**The Pennsylvania State University**, University Park, PA

Cumulative GPA: 3.25

Graduation Date: May 2008

- Master of Architectural Engineering
- Bachelor of Architectural Engineering – Mechanical Option  
Five year professional degree, ABET accredited  
E.I.T status upon graduation
- Minor in Architectural Studies

### Relevant Coursework:

Architectural Acoustic  
Building Automation  
Building Electrical  
Building Illumination

Central Heating & Cooling  
Combined Heat & Power  
Concrete & Steel Analysis  
Construction Management

Fire Protection  
Heat Transfer & Fluid Flow  
HVAC System Design  
Indoor Air Quality

### Skills:

Competent in AutoCAD, ComCheck, HAP, MS Office, Revit, and TRACE 700  
Fluent in English, Mandarin, and Cantonese

## EXPERIENCE

**The Pennsylvania State University**, University Park, PA

Sep. 2007 - Present

Research Assistant

- Supported researches on in-duct UVGI system performance

**Atkinson Koven Feinberg Engineers, LLP**, Princeton, NJ

Jul. 2007 - Present

HVAC Design Intern

- Formulated spread sheets for institutional campus CO<sub>2</sub> emission
- Carried out CO<sub>2</sub> and energy reduction study on existing buildings

**Bard, Rao + Athanas Consulting Engineers, Inc.**, Boston, MA

Jul. 2006 – Dec. 2006

HVAC Design Intern

- Performed ductwork and piping design for medical and research facilities
- Assisted central plant upgrade for pharmaceutical and institutional campuses
- Conducted energy analysis on hospitals and laboratories

## ACTIVITIES & ACHIEVEMENTS

ASHRAE International Student Chapter, Penn State Branch

Sep. 2004 - Present

Penn State Student Society of Architectural Engineer

Sep. 2004 - Present

Penn State Solar Decathlon, solar house hydronic team

Jan. 2006 - May 2006

Awarded the Foreman Architect-Engineer Scholarship

Sep. 2006

Awarded the Best Buy Good Citizen Scholarship

Sep. 2003