

# Richard Copley

**Current:**  
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**Permanent:**  
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## OBJECTIVE

To obtain a full-time position as a mechanical engineer, that will enable me to utilize my current skill set, gain practical experience in a professional office environment and make valuable contributions to a company's productivity.

## EDUCATION

**The Pennsylvania State University**, University Park, PA  
Bachelor of Architectural Engineering - Mechanical Option  
Major GPA: 3.3  
EIT status upon graduation in May 2012  
Classes in: Advanced HVAC Design, ASHRAE Design Competition, Heating Load Calculations and Design of Solar Thermal Systems, HVAC Controls, Load/Energy Simulation, Solar Energy Systems, Sustainable Design, Trane Trace

## ACHIEVEMENTS

### Practice and Project Management

Successful workload management. Fellow mentor member.

- Managed coordination of renovation projects to minimize occupant disturbance.
- Assisted in quality assurance/control to improve quality of completed projects.
- Assisted in code review and conformance to ensure occupant safety.
- Assessed product LEED point applicability and created documentation required by the USGBC for LEED Certification.

### Design

Responsible for designs from conceptual stage through final project presentation.

- Developed strong working relationships with other disciplines.
- Developed multiple energy models of PSU buildings to compare with LEED submission information and actual building energy consumption data.

## EXPERIENCE

Penn State Architectural Engineering Department *Present*  
*Research Assistant.* Created energy models of PSU buildings.

Penn State Office of Physical Plant *Present*  
*Intern.* Gained inter-discipline coordination and management experience.

Alpha Rho Chi *2009-present*  
*President, House Manager, Recruiter, Social Chair, Web Master.*

Student Society of Architectural Engineers *2008-2011*  
*Director of Internal Relations.*

Copley Design Associates, Inc. *2004-2006*  
*AutoCAD Draftsman.* Prepared landscape drawings for residential, commercial and federally funded projects.

Buffalo Plastering Inc. *2010*  
*Laborer.* Built scaffolding and supporting structures, installed Dryvit systems.

Habitat for Humanity *2008*  
*Volunteer.* Installed floor joists, sub flooring, framed walls.

Punkin' Chunkin' Club *2008*  
*Secretary.* Designed trebuchet for competition. Managed funds.

**Technical Skills:** AutoCAD, DesignBuilder w/EnergyPlus, EES, FastTAC, Illustrator, Photoshop, Prolog, Revit, System Advisor Model, Trane Trace

**Interests:** Frisbee, Mountain Biking, Target Shooting

**Senior Thesis Portfolio:** <http://www.engr.psu.edu/ae/thesis/portfolios/2012/RJC5149/index.html>