

# Shiyun (Sharon) Chen

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Home Address:

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Albuquerque, NM 87112

Campus Address:

1108 Plaza dr

State College, PA 16801

## Objective:

To obtain a full time position as a mechanical design engineer with a consulting firm to gain professional experience and work toward my professional engineer's license.

## Education:

**The Pennsylvania State University**, University Park, PA  
Integrated Bachelor and Master of Architectural Engineering(B.A.E/M.A.E) - **Mechanical Option**  
Five-Year ABET Accredited Professional Degree  
Passed FE Examination, EIT Status Upon Graduation  
Cumulative GPA: 3.90/4.00 Expected Graduation: **May 2011**

## Coursework:

Central Heating System	Combined Heat and Power	BIM Studio
Central Cooling System	Advanced HVAC Control Systems	Thermal Science
Advanced HVAC System Design	Advanced Architectural Acoustics	Heat Transfer & Fluid Flow
Indoor Air Quality in Building	Building Load and Energy Simulation	Computational Fluid Dynamics

## Experience:

**Bard, Rao + Athanas Consulting Engineers, LLC** – Watertown, MA

**HVAC/Mechanical Engineering Intern**

*Summer 2010*

- Conducted energy modeling using Trane TRACE
- Performed revisions and calculations for LEED certification submissions
- Performed ductwork and piping design, sized and selected mechanical equipment
- Model mechanical, fire protection and plumbing systems with Revit MEP and AutoCAD

**CFR Engineering** - Gaithersburg, MD

**HVAC/Mechanical Engineering Intern**

*Summer, Fall 2009*

- Performed mechanical design, including building load calculation using Carrier's HAP, ductwork design and layout, air handling device sizing and selection
- Performed field surveys for mechanical systems renovation projects
- Performed AutoCAD responsibilities on a variety of projects

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

**Ultraviolet Germicidal Irradiation Lab Assistance**

*Spring 2008*

- Supported researcher on in-duct UVGI system performance

**Copy Center Customer Assistance**

*Fall 2006 - Present*

- Prepared posters, printed electronic files, and general customer service

## Skills:

Auto CAD, Revit MEP, Trane TRACE, Microsoft Office, Dreamweaver, Photoshop, Ecotect  
Language: Fluent in spoken Chinese (Mandarin and Cantonese) and proficient in written Chinese

## Activities:

Dean's List: all 8 semesters

**ASHRAE Penn State Student Chapter Officer – Publicity Chair**

*Fall 2009 - Present*

**ASHRAE Member** – National and Penn State Student Branch

*Fall 2008 - Present*

**Phi Alpha Epsilon Member** – National Architectural Engineering Honor Society

*Spring 2010 - Present*