

# Paul Kuehnel

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**OBJECTIVE** To obtain a full-time position at a structural engineering firm where I can gain experience and work towards obtaining my Professional Engineers license.

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## **EDUCATION** The Pennsylvania State University – University Park, Pennsylvania

*Sept 2005 – Present*

Cumulative GPA – 3.18/4.0

Bachelor of Architectural Engineering – Structural Option

Five year professional degree – ABET Accredited

EIT status upon graduation in May 2011

Executive board member of Student Structural Engineers Association (SEA)

Penn State Cycling Club member

## **McGill University - Montreal, Quebec**

*Sept 2008 – May 2009 - Study Abroad Program*

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## **WORK** Concrete Lab/Equipment Shop Intern

### **EXPERIENCE** Michigan Department of Transportation – Lansing, MI

*May 2010 – August 2010*

Assisted lab technicians in the testing of materials used for state wide projects and maintenance of field equipment. Typical duties included mixing concrete to be used for testing freeze-thaw properties of aggregate, preparing and testing concrete cylinders and bores from state highway projects, and maintaining equipment used for field testing.

### **SketchUP 3D Modeler**

#### **Freelance - State College, PA**

*January 2010 – March 2010*

Worked with local home developer to build 3D model of future home in SketchUP. Detailed interior, exterior, and grade to specifications of building plans and home developer's wants/needs.

### **Teachers Assistant/Grader**

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

*September 2009 – December 2009*

A E 421 - Architectural Structural Systems I

Assisted Professor in answering student's questions during in-class assignments, corrected and graded homework assignments, prepared homework solutions, prepared additional class exercises, and held exam review sessions.

### **Structural Engineering Intern**

#### **Simpson Gumpertz & Heger, Inc. – Boston, MA**

*May 2008 – August 2008*

Participated in all areas of the company services: design, investigate, and rehabilitate.

Worked on a variety of different projects:

- bridge investigation
- construction admin. of school rehabilitation
- square footage estimating
- vibration analysis during pile hammering
- bearing capacity of existing piles

Site visits included installing vibration and tilt monitoring equipment on a bridge as well as settlement monitoring of a school gym.

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## **COURSEWORK/ SKILLS**

-Computer Modeling of Bldg Structures\*  
-Analysis and Design of Steel Connections\*  
-Earthquake Resistant Design of Buildings\*  
-Building Enclosure Science and Design\*  
-Historical Methods of Structural Analysis\*  
-Advanced Foundation Engineering\*  
-Advanced Steel Design for Buildings

-Advanced Concrete Design for Bldgs  
-Design of Masonry Structures  
-Design of Wood Structures  
-Indeterminate Structures

\* Denotes graduate level coursework

Revit Suite  
ETABS  
SAP 2000  
SketchUP  
AutoCAD  
RISA  
Microsoft Office