Thomas J. Kleinosky

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Objective

To secure a structural internship position wherein my abilities and work ethic will be utilized to contribute to the company's success, and in which I will develop new skills to supplement current knowledge and work experience

Education

The Pennsylvania State University, University Park, PA   **December, 2012**

Architectural Engineering - Structural Option - B.A.E./M.A.E.
Cumulative/M.A.E GPA: 3.27/3.78
EIT status upon graduation

Engineering Experience

Building Structures Intern: **May, 2011 to Present**

Whitney Bailey Cox and Magnani (WBCM), LLC, Bridgeville, PA

Primary task: assisting in completion of Design Phase submittal for a two-story elementary school building
- Interpreted governing Building Code to determine applicable floor/roof live loads, snow loads, and lateral loads, including considerations for drifting and sliding snow, Main Wind Force Reinforcing System wind loads, and Components and Cladding wind loads
- Designed reinforced masonry bearing walls, structural steel framing, steel and masonry lateral systems, and shallow foundations
- Modeled steel moment frames and performing Direct Design Analysis in *STAAD*
- Utilized programs such as *STAAD*, *Enercalc*, *Revit Structures 2011*, *AutoCAD 2011*, and *Microsoft Excel*

Other tasks:
- Preliminary design of a foundations system for a steel building using *Enercalc*; reviewing shop drawing submittals for structural steel, steel joists, steel deck, and reinforcing steel; inspecting an existing school building

Engineering Intern: **Summer, 2010**

Appleton Papers Incorporated**,** Roaring Spring, PA
- Designed and drafted a structural framing system for a mono rail crane
- Designed and drafted steel steps and a concrete pad
- Utilized *AutoCAD 2010* to perform all drafting duties
- Assisted in updating record documents of the plants layout
- Updated piping and instrumental diagram drawings
- Verified and updated as built drawings

Coursework/Qualifications

- Structural Undergraduate Coursework: Steel Design, Advanced Steel Design, Concrete Design, Advanced Concrete Design, and Indeterminate Structures
- Structural Graduate Coursework: Computer Modeling of Building Structures
- Future Structural Graduate Coursework: Earthquake Design, Steel Connections, Building Failures
- Independent Study Coursework: Study of the Application of Post-tensioning Systems for the Design of New and Retrofit of Existing Buildings
- Software exposure includes: *ETABS*, *RAM*, *SAP2000*, *StructurePoint*, *STAAD, RISA, EnerCalc, Revit Structures 2011,* and proficient in *AutoCAD 2010* and the *Microsoft Office* software package
- National Outreach Officer for the Penn State Chapter of Earthquake Engineering Research Institute where I am responsible for obtaining and organizing professional commitments for information sessions that expose students to various seismic topics

References

Available upon request