

MICHAEL HOPPER

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2012 Stone Bridge Ct.
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OBJECTIVE

To obtain a full time position with an Architectural Engineering firm emphasizing in the analysis and design of structural systems.

EDUCATION

The Pennsylvania State University
Integrated Bachelor of Architectural Engineering/Master of Science
Structural Option
The Schreyer Honors College
Graduation Date: **December 2009** Cumulative GPA: 3.78 Graduate GPA: 4.0
University Park, PA 16801

WORK EXPERIENCE

Penn State University – A E Department – Summer 2009
Research Assistant
University Park, PA 16801

- Performed nonlinear dynamic analysis of reinforced concrete moment frames subjected to strong ground motions using computer modeling
- Developed a set of modeling assumptions that consistently led to realistic response of reinforced concrete frames during strong earthquakes

Leslie E. Robertson Associates, R.L.L.P. – Summer 2008
Structural Engineering Internship
New York, NY 10004

- Assisted in a nonlinear geometric analysis of a long-span stadium roof system using computer modeling
- Designed composite beams and girders, built-up transfer girders, columns, base plates, and foundations for an educational building in New York City
- Reviewed shop drawings

TRC Worldwide Engineering – Summer 2007
Structural Engineering Internship
Allentown, PA 18106

- Designed pre-cast concrete double-tee's, slabs, beams, wall panels, columns, and shear walls for a mixed-use building using computer modeling and hand calculation methods
- Designed and checked connections for pre-cast concrete members
- Provided detailers with design summaries and reviewed shop drawings

QUALIFICATIONS

Relative Coursework:

Indeterminate Analysis	Steel Connections	Computer Modeling of Structures
Advanced Concrete Design of Buildings	Building Failures	Earthquake Engineering
Advanced Steel Design of Buildings	Construction Management	Geotechnical Engineering
Wood Design of Buildings	Architectural Design Studios	Masonry Design

Proficient Computer Programs:

AutoCAD	ETABS	Microsoft Office
Revit	SAP 2000	PCA Programs
STAAD	PERFORM 3D	

HONORS AND ACTIVITIES

- Dean's List all semesters
- Architectural Engineering Senior Thesis 2009 Finalist
- "President's Freshman Award", Penn State, first semester 4.0 GPA
- Passed Fundamentals of Engineering Exam
- SEA – Structural Engineers Association
- Phi Alpha Epsilon – National Architectural Engineering Honor Society

References available upon request