

James M. Chavanic

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OBJECTIVE

To obtain a full time structural engineering position where I can further my knowledge and contribute to company growth by combining theory with skills and knowledge from experiences.

EDUCATION

Integrated B.A.E. / M.A.E. Candidate - Structural Option (May 2013)
The Pennsylvania State University, University Park, PA

- Cumulative GPA: **3.68/4.00**
- E.I.T. Upon Graduation
- Completed Relevant Courses
 - Concrete Design -Comp. Modeling of Bldg. Structures -Adv. Concrete Design
 - Steel Design -Analysis of Indeterminate Structures -Adv. Steel Design
 - Building Failures -Earthquake Engineering -Foundation Design
- Relevant Courses In Progress
 - Masonry Design -Wood Design -Building Enclosures -Struct. Health Monitoring

WORK EXPERIENCE

May 2012-Aug. 2012 Cagley & Associates Rockville, MD

Intern, Structural Engineering

- Reviewed steel and concrete shop drawings for submittal
- Completed schematic design of unique I-95 travel plaza
- Designed curtain wall back-up steel and connections
- Self taught RAM Elements and RAM Structural System

June 2011-Present The Pennsylvania State University University Park, PA

Architectural Engineering Research Lab Assistant

- Currently calibrating impact-echo equipment used for structural testing
- Managed and constructed numerous projects
- Machined various parts using a lathe and vertical mill

May 2010-Oct. 2011 GenOn Energy Canonsburg, PA

Intern, Engineering and Technical Services

- Conducted stair tower structural assessments
- Developed equipment condition assessment spreadsheets
- Assisted project management with day to day activities

ACTIVITIES AND AWARDS

- Tau Beta Pi – PA Beta Chapter
 - Treasurer**, Dec. 2011 – Present
- Earthquake Engineering Research Institute
 - Treasurer**, April 2012 – Present
- Structural Engineers Association of Penn State
- Cagley & Associates Scholarship
- H.O. Smith Memorial Scholarship in Architectural Engineering
- Michael Baker Corporation Engineering Scholarship

COMPUTER SKILLS

SP Column	AutoCAD	Pro/ENGINEER	RAM Elements	ETABS	Excel
STAAD	Revit	Solid Works	RAM Structural System	SAP 2000	Project