

## Objective

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- To obtain an opportunity in Architectural Engineering (Structural Option)

## Education

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**The Pennsylvania State University, University Park, Pennsylvania** Graduating May 2013

- Bachelor of Architectural Engineering (Structural Option)
- Five year professional degree – ABET accredited
- Sede di Roma program in Italy culminating in Architecture Studies Minor Summer 2010
- Cumulative GPA: 3.01

## Work Experience

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**Leslie E. Robertson Associates, R.L.L.P, Mumbai, India** May 2012 – August 2012

- Worked as a design engineer on a residential project in *New Delhi, India*
- Co-ordinated design drawings with Architect and General Contractor
- Performed computer modeling and designed flat slab system using SAFE
- Visited construction sites to perform quality checks

**Shanghvi & Associates Consultants Pvt. Ltd, Mumbai, India** July 2011 – August 2011

- Designed and Analyzed steel, concrete and composite framing systems using ETABS, SAFE and STAAD Pro software
- Performed finite element analysis on structural members in SAP and STAAD Pro
- Contributed to research project on analysis of a steel cylindrical column and I-beam junction

## Design and Graphics Related Computer skills

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- STAAD PRO, SAP2000, ETABS, RAM, SAFE
- AutoCAD Architecture, REVIT Architecture, REVIT Structure, Form Z
- Google Sketchup, Adobe Photoshop, Adobe Dreamweaver, Adobe After Effects

## BIM Studio Experience

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Spring 2012

- Collaborative and interdisciplinary Building Information modeling and Integrated project delivery
- Practiced as a structural engineer on a team of architecture and engineering students on Penn State's Intramural Building project

## Penn State Study Abroad 7 week program in Rome, Italy

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Summer 2010

- Ancient Roman and Medieval Methods of Structural Analysis and Design
- Collaborative Group Design experience for a contemporary building in the historic center
- Field study of Roman Architecture
- Cartographic study of Rome

## Relevant Coursework

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- Computer modeling of building structures
- Analyzing and Designing wood, steel and concrete structures
- Design of Steel Connections
- Architecture Design Studio
- Acoustic Design of Buildings
- Fundamentals of HVAC Systems
- Fundamentals of Electrical and Illumination systems
- Overview of construction industry and practices in Construction Management

## Activities

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- Earthquake Engineering Research Institute 2010-Present
- Structural Engineers Association 2010-Present
- Penn State Photography Club 2010-Present

## Languages

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- Fluent in English, Hindi, Marathi and Gujarati