

# Yifeng Xiong

(315)447-6498 yxiong08@syr.edu  
37 Edwards Road, Binghamton, NY,13904

## OBJECTIVE

A master's degree recipient with FE license (E.I.T) seeking a position in civil or structural engineering.

## EDUCATION

**Syracuse University, Syracuse, NY** **May 2018**  
Master of Science in Civil Engineering (with a focus in Structural Engineering) **GPA: 3.7/4.0**  
Course work: Analysis and design of steel and reinforced concrete structures, Finite element analysis, BIM, Transportation engineering.  
**Huazhong University of Science and Technology, China** **July 2015**  
Bachelor of Engineering in Civil Engineering **GPA: 4.4/5.0**

## SKILLS

**Software:** AutoCAD, RISA-3D, StaadPro, Abaqus, Autodesk Revit, SAP2000, Etabs, BISPEC, PKPM, Microsoft Office.

## LICENSES

FE Civil (E.I.T), NY State driver license.

## WORK EXPERIENCE

**China Construction Third Engineering Bureau Co., Ltd (Wuhan, China)** **Nov 2014 – Jan 2015**

- ◆ Gained familiarity with the design of a high-rise concrete building.
- ◆ Conducted safety check of slab reinforcements at the construction site.
- ◆ Performed quality inspection during construction.

## ACADEMIC PROJECT EXPERIENCE

**4-Story Steel Structure Analysis and Design** **Spring 2017**

- ◆ Used RISA-3D and direct analysis method to design a 60-ft tall 4-story 3-D structural steel frame.
- ◆ Used the LRFD approach to design the frame for dead, live, snow and wind loads.
- ◆ Checked interstory drift.

**Design a Residential Building Using BIM (both Architectural and Structural)** **Spring 2017**

- ◆ Designed a 5-story residential building with glass curtainwall.
- ◆ Used Autodesk Revit to create architectural and structural drawings.
- ◆ Generated detailed Autodesk Revit sheets for use in construction.

**Design of Concrete Highway Bridge** **Fall 2016**

- ◆ Designed a four-lane concrete box girder highway bridge.
- ◆ Used Sap2000 to calculate the loads and used AutoCAD to draw all the section details.
- ◆ Used strut-and-tie model to design the piers.

**Seismic Design of a Resisting Concrete Building** **Spring 2015**

- ◆ Used AutoCAD to create architectural and structural plans
- ◆ Calculated the loads and designed the beams, columns and slabs.
- ◆ Used PKPM (a widely used structure analysis software in China) to verify the analysis and design.
- ◆ Used Etabs to calculate the dynamic properties and analyze the seismic response of the building to earthquake excitations.