Xinyi Jiang (Ms.)

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Summary

A structural engineering candidate with about one year of experience in structural design. Looking to obtain a civil engineering position. Professional experience in the field of structural engineering of steel structures, wood structures, etc, like industrial, commercial and residential. I do not need any kind of visa sponsorship.

Education

Syracuse University
College of Engineering and Computer Science, Syracuse, NY
　　　Master of Science (M.S.) in Structural Engineering,　　　　　　　　　Dec 2017
　　　　　Selected Graduate Coursework:

- Advanced RC Design
- Finite element Analysis
- Structural Analysis
- Design of Concrete Bridges
- Structural Steel Design

Shanghai Science and Technology University
School of Environment and Architecture, Shanghai, China
　　　Bachelor of Science (B.S.) in Civil Engineering,　　　　　　　　　May 2016

Experience

VIP Structure, Syracuse, NY
　　　Structural Engineer　　　　　　　　　　　　May 2018--April 2019

- Dose manual calculations to determine foundation size, base-plate, and other structural parts.
- Using NDS, Simpson strong-tie connection and other building code to design wood structures
- Using ACS, ASCS Manual as well as building code to design masonry building and masonry shear wall.
- Using Auto CAD and Revit2019 to drawing plan view, elevation view, detail sections as well as other design details
- Check construction drawings consistent with design drawings and sending responses on time.
- Meeting with architectures, other engineers and owners for projects and proposing idea on structural parts
- Changing structural of existing buildings to meet with conceptions of architectural and owner's plan.
- Reinforcing and rehabilitation existing buildings to be more safety and make the best use of structure places
- Utilize Risa 3D to analysis the load react on the structure and help to design steel structure such as steel beam and column
- Assist engineers in developing accurate engineering drawings and layout view and section in order.
- Traveled to job sites and participate in construction support.

Skills

- Passed the FE exam
- Strong working knowledge of professional software like Auto CAD, Revit2019 for modeling.
- Using analytical software, SAP 2000, STAAD Pro., RISA 3D to design structures.
- Using MathCAD and Smath to calculate the size of beam, column, shear wall, etc.
- Strong knowledge of the ACI 318, NDS as well as other applicable codes for structural design using steel and concrete, etc.
- Strong working knowledge of Microsoft Office
- A strong analytical knowledge and understanding of engineering principles
- Ability to adapt to changing project profiles and work under pressure in a real-time environment