



Vraj Dave

B.S. in Civil Engineering (2019)
CJ Mahan Construction Company, LLC, Columbus, OH

Describe your overall duties/responsibilities as a Project Engineer/Architect:

My responsibilities include designing, detailing, and planning specific projects and performing stability analysis for floating cranes on barges for structures. In addition, I check allowable loads on equipment, review and analyze cost changes for estimates, and assist in special structural projects as required.

Explain the skills/abilities that are required for being successful in your role:

The ability to adapt to new design software's and being able present your design and plan to the client with confidence are essential in this kind of work. Additionally, the ability to work in a team on every project is important as 2 to 3 engineers are typically assigned to a project to ensure efficiency in design and management aspects. This is so that the work can be reviewed and analyzed before submittal.

What advice would you give to students who are considering majoring in Civil Engineering?

Choose a career based on your inner feeling of what you really want to do. Do not choose a major based on intended salary, or what you strictly hear from other professionals jobs as your job will most likely be different, even if you have the same major. What is also important is that your work doesn't feel like work. And that can only happen if you love what you do, and know the opportunities that are out there that fit your career goals.

