

Co-op/Internship

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J.A.Roberts Co.

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Description

We are seeking a co-op or intern to join our team. We have an immediate need but are open to future start dates as well. The term of the co-op/internship can range from a few months to several months and will be based in Ridgefield, CT (1 hour outside of NYC).

Education Requirements

- Pursuing a bachelor's degree in civil engineering (structural emphasis preferred)
- 3rd year student or higher (expected to graduate in 2022)
- Preferred courses: Structures I & II, Foundations, Steel Design, Reinforced Concrete Design, Prestressed Concrete Design, Wood Design

Qualifications

Your college education is just the start of the knowledge and understanding that you will gain as you embark on your career path. In fact, we strongly believe that you should never cease striving to learn, and that most of your learning will (and should) occur after college. Therefore, we hold employee development with extremely high regard. Once you hire on with us, we will teach you all the technical skills that the job entails. For that reason, we typically seek out soft skills over technical skills when recruiting. There are a few crucial technical skills that we consider mandatory for this position though.

Required Technical Skills:

- Strong mathematical foundation, especially with algebra, geometry, and trigonometry
- Strong understanding of statics, mechanics of materials, and structures

Required Soft Skills:

- Humility and willingness to learn
- Integrity and trustworthiness
- Loyalty to the team and the mission
- Extreme ownership mentality
- Discipline and drive to improve and succeed
- An ability to learn and comprehend quickly
- Critical thinking and problem solving
- Attention to detail
- Strong communication skills

Bonus Skillsets:

- Understanding of AutoCAD
- Solid writing capability

Tasks and Responsibilities

We hold our interns to the same standards that we hold full-time employees because we believe it essential for maximizing development. You will be a part of a team focused on planning and evaluating field operations for our clients. Over the course of your term, you will partake in the following:

- Apply critical thinking to develop innovative solutions for solving complex problems
- Evaluate field operations to identify potential conflicts and provide mitigation measures
- Create geospatial models in AutoCAD
- Create drawings and pick plans in AutoCAD that clearly convey important construction details
- Perform basic design checks and mathematical calculations
- Calculate quantities and perform take-offs
- Most importantly you will be expected to LEARN!

What you can expect to learn:

- AutoCAD (you will use AutoCAD daily)
- Working with cranes and creating pick plans
- Understanding how to size and design rigging (shackles, slings, spreader beams, etc..)
- Technical knowledge of field operations (i.e. steel erection, marine construction, support of excavation, etc..)
- Industry jargon (almost like learning a new language)
- Familiarity with various design standards and owner specifications
- Improve your writing ability (effective communication is necessary in any field)
- Business acumen and finance (essential to being well-rounded)

Physical Demands

The employee must be capable of climbing a ladder, talking, and hearing. The employee is frequently required to sit, stand, and walk.

Other Requirements

- Valid Driver's License

Travel

This position may require travel within the United States.

Interested in this position? Email your resume to careers@jarobertsco.com.