Telecommunications Engineering Internship

CTC Technology & Energy
Kensington, MD 20895

CTC Technology & Energy (CTC) is an established consulting firm that offers a challenging work environment combined with reasonable hour expectations, an emphasis on COVID safety, and an emphasis on work-life balance. To learn from and work with our team of experts, we seek highly motivated and self-reliant **Telecommunications Interns. This is a paid internship**.

The following factors matter to us:

- You are self-directed, highly motivated, and love your work;
- You value independence and quality of life, and being treated with respect by your employer and colleagues;
- You seek a challenging, exciting job and co-employees (and customers) with the same vision;
- You are interested in collaboration and accomplishment as well as opportunity to learn real-world applications of your studies on the job;
- You want to work hard while in a fast-paced, but reasonable environment. While scheduling is flexible, we request that all interns commit to a minimum of 12 hours per week for at least 10 weeks.

Summary

Through this position, interns will gain an intimate understanding of various aspects of Network Engineering and Wireless tower siting. In particular, interns will gain experience with assessment, design, implementation of data, voice, and video networks utilizing fiber optic, copper or wireless communications systems.

Desired Expertise and Skills:

While no experience is necessary, candidates should have an interest or familiarity with the following:

- Telecommunications engineering and design;
- Fiber optics, copper or wireless communications systems;
- Engineering and/or GIS concepts and design methods;
- Current procedures, methods and technologies in engineering-related fields;
- Operating and properly utilizing a variety of office equipment including plotter and copier, computers and peripheral equipment, printers, and microfilm reader-printers;
- Current versions of Windows, MS Access, MS Office, Google Earth;
- Excellent written, oral and visual communications skills.

About this company:

CTC is a vibrant, fun, exciting workplace with some of the most complex networking projects in the country. These include metropolitan area fiber networks, nationwide fiber access architectures, developing national broadband policies, planning the implementation of the FirstNet public safety wireless broadband network, and deploying new generations of wireless technologies.

We want to hire superstars who do amazing work.

We hire only people who meet our standards for both seriousness of purpose and commitment. You must show us that you have high integrity, ability to meet deadlines, maturity, and flexibility. And we'll expect you to provide evidence of appropriate presentation and writing ability.

Since the beginning of the COVID-19 pandemic, our office has been closed and employees have done their work from home or performed outdoor field inspections. We are focused on employee health and are not planning to reopen our offices until the end of the pandemic. If you are the right fit for us, we can offer you unique work situations—if you need flexibility in hours, we can accommodate that. All options are possible for outstanding, motivated employees.

If you are interested in this vision of the workplace—and in joining an amazing team of motivated engineers and project managers, send us your resume and salary history.

Competitive salary and benefit package/Equal Opportunity Employer.

Background: CTC Technology & Energy (CTC) is an established, growing independent communications and IT engineering consulting firm with more than 30 years of experience. We work at the highest levels on cutting-edge communications networking projects for public sector and non-profit clients throughout the U.S. Current projects include long-term fiber optic and wireless regional communications interoperability initiatives in the Washington, DC area, funded by the U.S. Department of Homeland Security, design and implementation of wireless networks, engineering design and business modeling and project oversight for broadband networks, and advising the federal government.

We offer comprehensive expertise in the following broad, evolving areas:

- Designing and implementing metropolitan area fiber optic and wireless networks
- Designing and optimizing network architecture
- Coordinating the planning and design process with policymakers and first-response professionals
- Developing public/private partnerships in broadband communications
- Public Safety Wireless Communications
- Homeland Security Planning and Networking

- Intelligent Transportation Systems (ITS)/Traffic Communications
- Broadband Communications Networking
- Engineering Analysis for Siting of Wireless Communications Facilities
- Communications Network Performance Evaluation

Please submit your resume to jobs@ctcnet.us .