



About Qubitekk:

At Qubitekk, we create the future of Quantum Technology. For almost a decade, we have worked to transform what Einstein called “spooky action at a distance” into products that make innovation possible. Qubitekk continues to strive to provide reliable products for generating, preparing, distributing, detecting, correlating, and storing photonic qubits. The hardware that is needed to strengthen American leadership in quantum computing, communications, and sensing solutions is being developed and manufactured in San Diego County, CA.

About this Opportunity:

The Qubitekk team is looking for a software engineering student to assist with the development of Qubitekk's commercial quantum products. This position involves working closely with Qubitekk's electrical engineers, firmware engineers, and physicists to develop customer graphical user interfaces and production related software.

Desired Qualifications & Talents

The main responsibility of this position is to develop graphical user interfaces for customers of Qubitekk's quantum products. This includes the development of the GUI software, manuals, example code for customers, and other documentation. On occasion, this will include direct support to priority customers. In addition, this position will be responsible for developing instrument control software for Qubitekk's manufacturing and characterization operations. This will include the use of internal libraries as well as vendor-supplied libraries to control test equipment and the development of postprocessing code for analysis. This position involves daily activities with close interaction and communication with other personnel responsible for system engineering, customer support, and electrical design. Code development, revision management, and software release procedures are also aspects of this position.

- B.S. degree in Physics, Electrical Engineering, Computer Engineering, or Computer Science
- Experience designing, developing, documenting, and releasing applications that control hardware and have user interfaces.
- Experience with instrumentation automation for manufacturing or R&D applications
- Experience with data analysis application development
- Linux skills would be desirable
- Proficient in C, Python, and C#
- Experience automating precision motion control
- Experience with manufacturing operations
- Experience with quality control procedures
- Experience managing software revision control
- Experience with managing projects in GitHub or Atlassian products
- Good command of English language. Proficient at writing technical documents
- Good team player
- Willingness to learn new tools

You'll Love Working Here Because:

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- We offer a casual environment and a flexible work schedule. We want you to have a good balance between work and your personal life. Remote work is an option.
- The People - You will be surrounded by some of the most talented, supportive, smart, and kind leaders and teams -- people you can be proud to work with!
- We Care Deeply - We take time to be present and partner with our team and communities.
- We Strive to Move Upward & Are Forward Thinking - We navigate through ambiguity and go the extra mile.
- The Diverse Culture - We believe that we make better decisions when our workforce reflects the diversity of the communities in which we operate. We strive to recruit and retain the brightest and best employees as we continue our journey forward.