



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 firmware engineering student to assist with the development of Qubitekk's commercial quantum products. This position involves working closely with Qubitekk's electrical engineers and PCB designers to ensure proper product functionality and quality conformity.

Desired Qualifications & Talents

The main responsibility of this position is to develop and document firmware for a variety of microprocessor-based circuit boards used in Qubitekk's quantum products. This position involves daily activities with close interaction and communication with other personnel responsible for the mechanical and optical subsystems of various Qubitekk products. Testing, trouble shooting, analysis and reports are also aspects of this position.

- B.S. degree in Electrical Engineering
- 5+ yrs work experience developing multi-threaded firmware for microprocessors/controllers in a resource limited environment
- Proficient in C
- Experience developing, documenting, and releasing firmware for commercial products
- Some experience with circuit board testing and debugging
- Experience with STMicro family of microprocessors/controllers
- Experience developing firmware on embedded/virtual microcontrollers
- Experience with digital circuit design – Pin planning – IO Bank selection
- Experience managing revision control systems
- Good command of English language. Proficient at writing technical documents

You'll Love Working Here Because:

- 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.

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