

Junior Electrical Engineer

About Qunnect

Qunnect is an early-stage deep-tech startup located in Brooklyn, NYC. Our mission is to commercialize a product suite of robust hardware solutions for global quantum-entanglement based communication.

Job Description

As an electrical engineer in Qunnect, you will design the hardware that controls, monitors, and synchronizes our quantum devices. This position's primary responsibility is to develop and design digital and analog circuits for a variety of different electronic controls. You will be expected to contribute across the team, including on FPGA-based system controls, circuit design, assembly and testing, as well as system-level integration. You'll work with other engineers and physicists and be involved in daily activities with close interaction and communication with our staff in charge of our products and lab experiments' mechanical and optical subsystems. In addition to designing, the testing, troubleshooting, and analysis reports across various devices will also critical aspects of the position. Because of this interdisciplinary nature, good communication skills are paramount.

Required Qualifications

- Well versed with EDA/MCAD Suites (incl. Spice, Eagle, Altium, Solidworks) incl. schematic capture and layout;
- Understanding of and experience with both digital and analog circuits (incl. data acquisition);
- Experience with circuit assembly (incl. SMT), testing, and debugging;
- Experience working with standard lab equipment (oscilloscopes, logic analyzers, vector network analyzers, etc.);
- Preferably some prior experience in programming VHDL FPGAs;
- Python scripting experience preferred and generic firmware skills for common MCUs;
- Proficient at writing technical documentation and excellent communication skills and an ability to interact across different disciplines;
- 2+ Years of experience – or project portfolio to showcase;
- Willingness to learn and contribute wherever needed;
- BS/MSc degree in EE or equivalent.

If you are interested in this position or have any questions please feel free to contact Qunnect's CSO, Mehdi Namazi, at Mehdi@quconn.com.

We are an equal opportunity employer and value diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.