



Computer and IoT Engineering Position

[H2OK Innovations](#) is an IoT-enabled analytics platform providing data-driven optimization of industrial liquid systems for manufacturing. Liquid and water systems are at the heart of industrial manufacturing, but current methods of managing these fluid systems are incredibly inefficient and archaic, relying on manual grab sampling or monolithic sensors. This results in a lack of data and visibility, causing excessive resource and operating costs, as well as inefficient operations. We are rethinking this approach, with our comprehensive OS system consisting of a network of our capital un-intensive sensors, coupled with our ML-based optimization software. We believe in unlocking previously untapped data for our customers—who comprise society's most fundamental sectors—to enable them to gain a competitive advantage on the way they operate and bringing [Industry 4.0](#). We are servicing major customers including Fortune 500 enterprises and backed by 2048 Ventures, 1517 Fund, Flybridge Capital, Techstars, and more.

Job Responsibilities:

- Develop secure and reliable process for retrieving data from sensors and relaying it to cloud databases and industrial controllers through wireless and wired means
- Architect robust source code to integrate sensors into industrial controllers and software
- Design code and select hardware for data processing and transmission of IoT sensors
- Work independently on a rapidly changing set of cross-disciplinary projects involving software development, electrical components design, and rapid prototyping
- Conduct on-site beta tests with customers

Qualifications:

- Proficiency in Python, C++, single board computer/microcontroller programming, industrial communication protocols (ex. Modbus)
- Worked with or capable of quickly picking up IoT communication and wireless and wired data transmission protocols (ex. MQTT, cellular, LoRa, WiFi, ethernet, RS485, TCP/IP)
- Capable of rapid prototyping, soldering, and PCB design is a plus
- Understanding of network and device security
- Experience working with controllers or with PLC integration
- Demonstrated ability to work successfully in a fast paced team environment/product iteration cycle

Location: Greater Boston Area

- Full time position with competitive compensation

Contact:

Send your resume and application to david@h2okinnoations.com and joseph@h2okinnoations.com