



Sensor Research and Testing Engineer

[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 experiments for testing accuracy and effectiveness of new sensors.
- Prepare and test customer samples, perform statistical analysis, and interpret results.
- Develop sensor calibration procedures to reduce offset, drift, and noise in data.
- Conduct sensor data analysis and on-site beta tests with customers.
- Research and test new sensing capabilities to be used in real world customer problems.
- Work independently on a team tackling a rapidly changing set of cross-disciplinary projects involving mechanical & electrical components design, software development, and rapid prototyping.

Qualifications:

- Wet lab experience preparing and working with liquid samples
- Understanding of spectroscopy, as well as other sample analytical techniques
- Ability to quantitatively analyze and interpret data statistically from conducted experiments
- 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