

## JOB TITLE: RESEARCH ENGINEER

Location: Vancouver, BC

VodaSafe is an exciting young company working to transform the water rescue industry. We were recently awarded BC Tech Startup of the Year at the Technology Impact Awards. Our first product, AquaEye®, is a hand-held scanning sonar device for waterfront rescue that was launched in 2019 and has been adopted by search and rescue organizations across North America. Now that we are expanding into the global market, we are looking for a Research Engineer to help in product research and development as well as manufacturing.

The Research Engineer will be reporting to the Director of Engineering and will be responsible for supporting both the R&D and Manufacturing teams. The ideal candidate will have strong problem-solving skills and scientific knowledge, excellent technical communication, and organizational skills, and hold a high standard of quality of work.

All team members are expected to support the mission on the company, often wearing multiple hats and remaining flexible in their job duties.

## JOB RESPONSIBILITIES

- Design and execute test plans, spanning in-house and field tests at nearby lakes and beachfronts
- Design and build experimental setups and test fixtures
- Collect and analyze large datasets, construct results and conclusions
- Assist lead technician with product assembly, QC, testing, and shipping
- Follow written procedures to ensure tasks are completed to the highest standard
- Troubleshoot and investigate faulty hardware and assemblies to determine root cause of failure
- Assists with customer maintenance procedures

## REQUIRED KNOWLEDGE AND EXPERIENCE

Experience in:

- Electro-mechanical devices
- Prototyping and light fabrication
- Design of experiments
- Data analysis and scripting (eg. Python)
- Machine shop training and/or light fabrication
- Troubleshooting and debugging

Knowledge in:

- Familiarity with CAD and engineering drawings (GD&T) an asset
- Strong written and verbal English communication skills
- Must be a self-starter with the ability to work well within a small team, communicate effectively, thrive in a dynamic work environment
- Comfortable in and around open water

## WHAT WE OFFER

- Flexible and dynamic work environment
- Employee ownership
- Opportunity to work on a variety of tasks and be a part of the creation process of new products

Please email all applications to Patrick Davies at [pdavies@vodasafe.ca](mailto:pdavies@vodasafe.ca)