Job Posting:172251 - Position: F25 ML Data Scientist 172251

Co-op Work Term Posted:	2025 - Fall
App Deadline	09/03/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	08/27/2025 10:45 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	VodaSafe
Address Line 1	2C-138 West 6th Ave
City	Vancouver
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
<b> Job Title <b>	F25 ML Data Scientist 172251
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	4 or 8 months
Salary Currency	CAD
Salary	4100.0 per month for 0 Major List

Job Description

VodaSafe is an exciting young company working to transform the water rescue industry. Our first product, AquaEye® Lite, 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 and around the globe. We are gearing up to launch AquaEye Pro and are looking for a Firmware Engineer Intern to support some of our challenging R&D projects.

The successful candidate's primary responsibilities will be to assist in firmware development while also helping to perform field research and data collection. Firmware development will be guided directly by our Lead Embedded Engineer while field work may involve testing in lakes and ocean-fronts, performing data analysis, and developing familiarity with our field instrumentation. 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.

Job Responsibilities

• Supporting ML pipeline development:
• Developing or maintaining existing data pre-processing pipelines using Python
•Manage and maintain data repositories to support ML model development
•Developing scripts for analyzing data
•Maintaining code base, managing revisions through Git
•Data labelling / verification
•Field support / data collection:
• Assisting in field data collection and analysis
•Assist in the design and deployment of field instrumentation and experimental setups
•R&D projects. This may include:

- Writing test plans to address research questions
- Designing, fabricating, and assembling test setups
- Executing test plans, analyzing and reporting results

Job Requirements

Required Qualifications

- Enrolled in or completed a Bachelor's in Engineering Physics, Computer Science, Mechanical Engineering, Electrical Engineering, or equivalent.

Required knowledge and experience

- Strong familiarity with Python
- Knowledge of machine learning techniques and algorithms
- Knowledge of data processing, including image processing techniques
- Debugging and troubleshooting code bases
- Design of experiments, detailed report writing
- 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
- Familiarity with version control systems such as Git
- Ability to work in field conditions and adapt to hands-on testing environments

Preferred

- Comfortable to swim in lake and beachfront environments. VodaSafe uses strict safety precautions, including PPE.

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through UBC Science Co-op
Cover Letter Required?   Yes
Address Cover Letter to   Patrick Davies, Director of Engineering