
Summary

2 years of experience in client facing roles
Experience in navigating and adapting to foreign and fast paced environments
Evidence of quick learning and self-sufficiency through self-taught programming
Technical knowledge of GIS, Python and web-based applications (JavaScript, HTML/CSS)

Experience

Geomatics Technician - Agriculture and AgriFood Canada Jan '20 - Present

- Used Numpy, Rasterio, and Pandas to remove interference from clouds while extracting soil moisture data from satellite images
- Rewrote soil analysis script for automation and reduced execution time by 60% by replacing usages of DBL texts to NetCDF format
- Developed a ECV to SMOS calibration tool that performed statistical analyses on each pixel on the sensor on a dataset of hundreds of images using Numpy

Support Tools Developer - Alert Labs May - Aug '19

- Developed systems to flag sensors and deliver automated Slack channel reports to the Sales team via Slack API for wide range of concerns
- Implemented a sensor SIM card deactivation/reactivation feature using the Particle API
- Created functionality to automatically identify sensors that were negatively affected by firmware updates

TeaShopper - Sweet Dreams Teashop May '17 - Jan '19

- Engaged in all aspects of this popular café, including customer service, production, and clean-up while maintaining the welcoming environment

Education

Honours Planning, Land Specialization, with Joint Honours Math

University of Waterloo, B. Environmental Studies Expected 2022

Relevant Coursework: Statistics, Programming, GIS, Urban Design, Transportation Planning, Stormwater Management, Environmental Law, Planning Theory and History

YFU Cultural Exchange Student

College St. Michel, Switzerland | Grade 10. Sept '13 - Jul '14

Community

Hackathon Lead - EnergyHacks | <https://energyhacks.ca> March '19 - Present

- Leading and scaling the second iteration of Waterloo's only sustainable interdisciplinary hackathon to double the size of 400 participants

Mentor Coordinator - StarterHacks | <https://www.starterhacks.ca> Aug '19 - Jan '20

- Recruiting and organizing the experience for 150 mentors at Canada's largest beginner hackathon of over 1000 participants

Teaching Assistant - Hamilton Wentworth District School Board Sept '14 - Jun '16

- Developed and nurtured students' relationship with music through leading small groups and individual lessons