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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
- Reduced soil analysis script 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
- Wrote unit tests using Mocha Chai for features

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, Joint Honours Math and Computing Minor
University of Waterloo, B. Environmental Studies Expected 2022
Relevant Coursework: statistics, programming, GIS, urban design, transportation planning, urban
stormwater management, environmental law
YFU Cultural Exchange Student
College St. Michel, Switzerland, Grade 10 Sept '13 – June '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