

Jordan Schneider

<https://jordans6.github.io/PortfolioWebsite/> | 778-323-6040 | jordanschneider@telus.net

Education

University of British Columbia

Bachelor of Applied Science – Electrical Engineering

September 2017 - December 2022

Vancouver, BC

Work Experience

Alpha Insights

May 2021 - August 2021

Test Engineer Co-op - Python, CI/CD, Astropy

Vancouver, BC / Remote

- Improved on testing software with a custom data class built on Astropy tables to software readability and efficiency over native python lists.
- Built a CI/CD pipeline on Gitlab and added pre-commit hooks to repositories to ensure a standardized code format .

General Electric Renewable Energy

May 2020 - December 2020

Design Verification Co-op - Python, Networking, Electrical Equipment

Burnaby, BC

- Tested industrial communication equipment firmware, ensuring that operating system, network and firmware logic were all free from error.
- Wrote python scripts to improve efficiency of testing and eliminate repetitive tasks.

Technical Projects

UBC Rocket Avionics

September 2019 - Present

Firmware Developer - Python, Pytest, C/C++

Vancouver, BC

- Implemented firmware features such as support for a battery voltage sensor and ability to read pin modes, and integrated with ground station code.
- Ensured code coverage requirements of 90% were met by adding integrations and unit tests for each feature added.

UFC Fight Predictor - Python, React, Flask, scikit-learn

- Trained a Random Forest machine learning model on over 5000 fights to make predictions with an accuracy of 94%.
- Built a flask api which takes fighters' names as input and translates them as features which are sent to the model which then returns the winner to the user.

Amazoom Multithreaded Warehouse Simulator - C#, Windows Forms

- Built a configurable warehouse simulation which allows users to set warehouse parameters, make restock and order requests, and track item statuses.
- Operations are handled asynchronously and in parallel, with mutexes, tasks, signals, etc. used to ensure proper synchronization of different threads.

Skills

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- Languages: C/C++, C#, Python, Javascript, HTML, CSS, SQL
 - Frameworks and Libraries: Flask, React, Express, scikit-learn,
 - Tools: Git, pre-commit hooks, Linux, JIRA, Gitlab CI/CD, AWS