

# Jordan Schneider

<https://jordans6.github.io/PortfolioWebsite/> | 778-323-6040 | [jordanschneider@telus.net](mailto:jordanschneider@telus.net)

## Education

### University of British Columbia

Bachelor of Applied Science – Electrical Engineering

September 2017 – April 2023

Vancouver, BC

## Work Experience - Currently Available for 4/8 month work term

### Alpha Insights

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

May 2021 – August 2021

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

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

May 2020 – December 2020

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 - Links for projects are available on portfolio website listed on top of this resume

### UBC Rocket Avionics

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

September 2019 – Present

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.

### myTinerary - React, Javascript, Flask, Python

- As part of nwHacks 2022, my team and I built a web app that utilizes the Yelp Fusion API to create a personalized travel itinerary based on location, interests and level of activity.
- I focused on the flask backend, making sure our API calls were limited to give the user a speedy response as well as developing an algorithm to help minimize distance between activities.

## Skills

- 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