

# Jordan Schneider

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

## Education

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### 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

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### 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

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### 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.

## 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