# Jordan Schneider

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## Education

**University of British Columbia** September 2017 - April 2023
*Bachelor of Applied Science – Electrical Engineering* *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

- 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