



Caeleb Koharjo



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VANCOUVER, BRITISH COLUMBIA



Project Experience

Polynomial Calculator | Software Construction Class

Jan 2020 — April 2020

- Built a functional Java polynomial calculator application.
- Implemented complex functions such as derivatives and integrals; as well as simple arithmetic calculations with complex algorithms for order of operations. (using various data structures and algorithms)
- Allowed users to save and load inputted expressions.
- Applied various design elements to create robust classes and to improve the clarity and cohesion of the program.

Billboard100 Filter | Algorithms & Problem Solving Class

Sept 2020 — Dec 2020

- Employed web-scrappers, plots, and data-frames on Python to create a Billboard100 filter.
- Used web-scrappers to gather data from Billboard to receive information on the top 100 songs under a certain time frame.
- Organized data-frames to filter the data to specific categories such as best artist, best song, etc.
- Statistically analyzed the information inside the data-frames to report the data through a variety of statistical plots.

Website Quiz | Personal Project

April 2019 — May 2019

- Designed a user interactive quiz website based off well-known video game, League of Legends.
- Worked with a variety of languages (Javascript, HTML, and CSS) to develop an assortment of different features such as user input, countdown timer, start/pause/restart buttons, and a score display.
- Stored League of Legends character names in data structures and traversed the data based



Education

University of British Columbia | Vancouver

Bachelor of Science, May 2023

- Major in Mathematics | GPA: 4.0/4.33

Singapore American School

High School Diploma, May 2019

- Completion of 8 AP's | GPA: 3.95/4.5



Skills

Programming Languages:

Java, Javascript, HTML, Python, CSS, C++, MATLAB, Racket, C, Assembly, R

Tools/Libraries:

Git, Github, Node.js, Pandas (Data-frame), MATLAB, matplotlib

General Skills:

Fluent in English - Comfortable with using English to communicate in every form of medium.

Mandarin - Learned Mandarin to an adequate level, composing of the ability to read, write, listen, and speak.

Comfortable with Technology - Developed many skills with troubleshooting issues on computers, since first acquiring one at the age of 12.



Awards

- SAS Scholar Award
2015-2019 (Total of 7)

- AP Scholar Award w/
Distinction 2019

- AP Scholar Award w/
Honours 2018