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EDUCATION

University of Waterloo

Sept. 2019 - Current

B.SE. Candidate for Bachelor of Software Engineering 2024 GPA: 3.5

SKILLS

Languages: Swift, Java, C, C++, Python, CSS, HTML, Javascript

Technologies: Firebase, Cocoatouch

PROJECTS

BCSS Wildcats iOS App (Swift)

Dec. 2018 - Current

- Singlehandedly designed and developed a smart planner that manages the academic life of over 500 students.
- Enhanced productivity by creating features that managed schedules, gave access to realtime data on events, and more.
- Implemented **Firebase's Realtime Database** to allow staff to remotely update school information.
- **Collaborated and consulted** with teachers and students to deliver an extracurricular explorer feature that improved student engagement.

Self-Operating Forest Fire Research Drone (Python)

Sept. 2019 - Dec. 2019

- Teamed up with classmates to engineer a drone that searches for forest fires and renders a heat map around the fire using image data.
- Implemented the heatmap visualizer that produces accurate visual outlines of forest fires by using **Matplotlib** and **Seaborn.**

Joke Lab Android App (Java)

Dec. 2016 - Jan. 2017

- **Independently designed and built** a joke generator that displays emojis using **Core Animation** to create an experience for the user to enjoy or share.
- Installed by **over 100 users** while having a **4.9 rating** on the Google Play Store.
- Integrated non-intrusive Admob banner ads for monetization while maintaining minimal user interface.

EXPERIENCES

UW Blueprint, Project Developer Waterloo, ON

Jan. 2020 - Current

- Chosen from 100+ applicants to join UW Blueprint, an organization that creates software for social good.
- Developed a paramedics application for the Grand River Hospital to help track patients during large casualty events.
- Utilized **Docker**, **Node.js**, and **PostgreSQL** to setup the backend service of the application.

TEDxYouth@DeerLake, Director of Technology Burnaby, BC

Sept. 2018 - June 2019

- Programmed a fully responsive website with CSS, HTML, and JavaScript.
- Coordinated and cooperated with team members to setup a successful event that raised over \$750 in ticket sales.
- Assessed speaker applications and chose speakers that pushed our theme of Breaking Barriers.