



## Technical Skills

Languages: **Python, Java, C++, JavaScript, C, HTML/CSS**

Frameworks: **Django, REST, React, MongoDB, Node.js, Express, React, JavaFX, FXGL**

## Work History

### Software Development Engineer Intern *Clarius Mobile Health*

05/2022 – 01/2023

- Backend development on a cloud platform with Django REST Framework, and JavaScript using Docker, and various other services.
- Optimized and refactored over 7 years of existing code to eliminate all 1500+ non-standard practices, fixing numerous bugs in the process.
- Created unit tests and fixed features for the front and back end with data validation to prevent potential client issues.
- Worked with object-oriented concepts, and merged a bugfix to a PostgreSQL database that affects up to over 50,000 existing users.
- Collaborated effectively with team members, asked many questions, challenged boundaries, and self-learned many technologies.

### Teacher's Assistant (Programming Methods) *British Columbia Institute of Technology* 01/2021 – 05/2021

- Graded student Python assignments, providing constructive feedback to help students grow as software engineers.

## Projects / Extra Courses

### [Turbo Wallpapers](#) – React Image Sharing Platform (2-Person Team) (1 month)

**Skills:** JavaScript, React, Linux, Express, Node, AWS EC2, AWS DynamoDB, AWS S3, AWS Route53

- Created an HTTPS image sharing web application using React for the frontend and Express/Node for the backend.
- Worked closely with Ubuntu and PM2 to host a front-end and backend. Dabbled with Apache2 virtual hosts.
- Contribution:** Built the frontend, backend, and integrated AWS. Handled all routing and to an HTTPS domain.

### [Snack Overflow](#) – Snack exchanging web application (3-person team) (2 days)

**Skills:** MongoDB, Express, React, Node.js, Socket IO

- Created a mobile-friendly web app using React for the front-end and Express/Node.js for the backend to allow users to read/create/update/delete snack sharing posts in real time to MongoDB.
- Implemented a chat system using Socket.io so users could communicate snack sharing meetup locations.
- Collaborated in a team of 3 to create a fully functional web app for the 2022 SAP Hackathon in 24 hours.
- Contribution:** Socket IO chat system, helped implement the React front-end, and added back-end features.

### [Animal Hustler](#) – Java Game (2-person team) (3 months) (School)

**Skills:** Java, JavaFX, FXGL, Documentation, Planning, Object-Oriented Design, Cooperation

- Used object-oriented programming methodology to create a fun and complete Java game that earned 100%.
- Contribution:** All aspects of the project including planning, design, research, implementation, and game balance.

### [Outliner](#) – OpenAI Discord bot (4-person team) (24h)

**Skills:** Python, OpenAI, Web-scraping, Documentation

- Developed a Discord bot using AI language processing to intelligently answer questions regarding student courses.
- Contribution:** Implementing the AI engine, web-scraping, and documentation.

### [DeskBuddy](#) – Web Application (3-person team) (3 months) (School)

**Skills:** Javascript, HTML/CSS, Bootstrap, jQuery, Git, Agile, Firebase, Trello, Scrum

- Created a mobile-first app that supports mental health by reminding users to take regular breaks during workdays.
- Contribution:** Significant contributions to read/write/query/delete in JavaScript and set up the Firebase database.

### [Modern React with Redux 2023](#) – Udemy Course completion

**Skills:** React/Redux, APIs, Express/Node

- Created numerous React projects with JSX, APIs, Reusable components, data persistence, hooks, routing, and more.
- Learned the ins and outs of the toolchain supporting React, including NPM, Webpack, Babel, and ES6/ES2015 JavaScript syntax.
- Mastered the fundamental concepts behind React and Redux

## Education

### Computer Systems Technology *GPA: 4.0*

06/2021 – 12/2023

*British Columbia Institute of Technology*