

# Quinn Marshall

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[Personal Website](#)

[LinkedIn](#) | [Github](#)

## Experience

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### **Directed Studies Student, UBC Okanagan, Kelowna BC**

**Jan 2023-April 2023**

- The focus of my study was on investigating students' test-taking patterns and modeling their guessing behavior.
- Involved in a directed studies project that conducts research and data analysis on testing behaviors of students at UBC Okanagan in collaboration with Dr. Bowen Hui.
- Conducted data analysis and statistical modeling techniques including the Gaussian Mixture Model, Surface Feature model, Common k-second thresholds, and using visual inspection.
- Collected, cleaned, manipulated, and analyzed data using Python programming language.

### **Teaching Assistant, UBC Okanagan, Kelowna BC**

**Sept 2019-April 2023**

- Helped create and mark assignments and exams with computer programming courses.
- Conducted labs and office hours to provide additional support to students.
- Had regular meetings with the professor to discuss course content and student performance.
- Developed organizational and detail-oriented skills while tutoring students.

## Education

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**Bachelor of Science - Major of Computer Science, Minor of Mathematics**  
UBC Okanagan

**Sept 2019-April 2023**

## Projects

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### **OlivierHealth Medical App**

**Sept 2022-April 2023**

- OlivierHealth is a product designed to simplify off the shelf medication selection. By providing an easy-to-use platform for medication selection, users can confidently choose the best product for their needs.

- Utilized high levels of TypeScript with React for the frontend and Python with Django for the backend.
- Worked on UI design to create user-friendly interfaces and learned about best practices for design and usability.
- Effectively communicated with clients in a professional manner whilst understanding their needs and ensuring that the final product met their expectations.
- Effectively used Github in a group project to ensure safe and secure coding by creating feature branches for each task, utilized pull requests for review, and used GitHub's issue tracking system.

### **Website for purchasing goods**

**Sept 2021-Dec 2021**

- Gained valuable experience in creating an e-commerce website using Java and HTML.
- Acquired extensive knowledge of website design and user interface (UI) design principles.
- Enhanced problem-solving skills by identifying and resolving issues during the development process.
- Improved ability to work effectively in a team setting by collaborating with other team members to ensure the website meets requirements.

### **Healthcare in the United States**

**Jan 2021-April 2021**

- Cleaned and manipulated a large dataset on healthcare costs in the US using Python.
- Implemented data wrangling techniques such as handling missing values and merging data from multiple sources.
- Utilized Python libraries such as Pandas, NumPy, and Matplotlib to perform data analysis and create visualizations.

## **Programing Languages**

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HTML	Python	Matlab
JavaScript	SQL	Excel
Java	C	Rstudio

## **Awards**

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### **Deputy Vice-Chancellor Scholarship**

- Annually renewable entrance scholarship for continuing students at The University of British Columbia

### **Selkirk College Entrance Scholarship**

- One time entrance scholarship based on high academic achievement

## BC Achievement Scholarship

- Scholarship which recognizes the 8,000 secondary school graduates with the top academic achievement in the province.