# Quinn Marshall

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LinkedIn | Github

## Experience

**Directed Studies Student, UBC Okanagan, Kelowna BC**          **Jan 2023-April 2023**

- The focus of my study is on investigating students' test-taking patterns and modeling guessing behavior.

- Involved in a directed studies project that involved conducting 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

**Bachelor of Science - Major of Computer Science, Minor of Mathematics**     **Sept 2019-April 2023**
UBC Okanagan

## Projects

**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.

- Developed an understanding of statistical concepts and techniques including the Gaussian Mixture Model, K-means algorithm, and our Surface Features Model to identify correlations and trends in the data.

# Programing Languages

| | | |
|---|---|---|
| HTML | Python | Matlab |
| JavaScript | SQL | Excel |
| Java | C | Rstudio |

# Awards

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.