

# 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

- Collaborated with Dr. Bowen Hui on a pivotal research project analyzing students' test-taking behaviors at UBC Okanagan, uncovering insights that led to a 10% improvement in students testing abilities.
- Utilized statistical modeling techniques, identifying key patterns that influenced a 15% enhancement in exam preparation strategies.
- Leveraged Python and RStudio for comprehensive data collection, cleaning, manipulation, and analysis, ensuring high-quality datasets for accurate evaluation.

### Teaching Assistant, UBC Okanagan, Kelowna BC

Sept 2019-April 2023

- Crafted and graded assignments for computer programming courses, fostering a challenging learning environment for over 150 students.
- Led weekly lab sessions and held office hours to provide personalized support, significantly improving students' grasp of complex programming concepts.
- Collaborated with the course professor to refine course content, contributing to a 10% improvement in overall class performance.

## Education

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### University of British Columbia, Bachelor of Science

- Major of Computer Science
- Minor of Mathematics

## Projects

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### OlivierHealth Medical App | TypeScript, Python, Django, GitHub

Sept 2022-April 2023

- Engineered a robust frontend using TypeScript and React, alongside a Python and Django backend, facilitating over 10,000 user interactions monthly.
- Spearheaded UI/UX design, elevating user satisfaction rates through intuitive interface improvements.
- Established and maintained effective client communication channels, achieving a 95% satisfaction rate on project deliverables.

## E-Commerce Website | *HTML, Java*

Sept 2021-Dec 2021

- Spearheaded the development of a user-centric e-commerce website utilizing Java and HTML, implementing contemporary UI/UX design principles to enhance site aesthetics and user engagement.
- Troubleshoot and resolved numerous technical issues during the development phase, ensuring optimal site performance and a bug-free user experience.
- Fostered a collaborative team environment, coordinating closely with team members to meet project milestones and ensure the website adhered to specified requirements, thereby improving the team's ability to meet deadlines effectively.

## Healthcare in the United States | *Python*

Jan 2021-April 2021

- Processed and refined a large dataset on US healthcare costs using Python, uncovering cost trends that informed policy recommendations.
- Implemented data wrangling techniques such as handling missing values and merging data from multiple sources.
- Utilized Python libraries such as Pandas, NumPy, and Matplotlib for data analysis and generating visualizations.

## Technical Skills

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**Programming Languages:** Python, Java, C, HTML, CSS, JavaScript, Matlab, Rstudio, Excel

**Databases:** MongoDB, MySQL

**Design Tools:** Figma, Adobe XD

**Tools & IDEs:** VSCode, PyCharm, Jupyter Notebook, Docker

**Project Management Tools:** Jira, Trello, Gantt Chart, Excel

**Version Control:** Github, Git

**Frameworks & Libraries:** Node.js, Express.js, React Native, React, Angular

## Awards

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### Deputy Vice-Chancellor Scholarship

- Scholarship for academic achievement from The University of British Columbia received annually.

### Selkirk College Entrance Scholarship

- One time entrance scholarship based on high academic achievement.

