

STELLAR SHAR

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EDUCATION

University of British Columbia, *B.Sc in Combined Computer Science and Statistics* May 2026
UBC Sauder School of Business, *Bachelor + Master of Management Dual Degree Program* Dec 2026

Courses: Computation, Programs, and Programming | Software Construction | Basic Algorithms and Data Structures | Introduction to Relational Databases | Statistical Inference for Data Science

WORK EXPERIENCE

BC Children's Hospital, *Data Analyst Co-op* | Vancouver, BC May 2024 - Present

- Developed and validated predictive models using Python, involving exploratory data analysis and comprehensive model evaluation, resulting in enhanced accuracy and model performance.
- Designed and implemented a text extraction algorithm with over 95% accuracy, and built an NLP pipeline for processing over 200 clinical reports, significantly improving data extraction efficiency.
- Engineered a unified data integration system by merging two databases with the hospital's patient database, leading to more accurate patient insights and streamlined analytical processes.

Health Canada, *Data and Policy Analyst Co-op* | Remote Jan 2024 - Apr 2024

- Spearheaded Phase 1 of the AI Improvement Project with a team of 4, analyzing 30+ interviews from Health Canada branches to assess current and future technology and human needs. Compiled findings into a detailed presentation for senior leadership.
- Boosted operational efficiency by 90% through designing and implementing automation for the AI Community of Practice, which streamlined workflows and automated processes for over 175 participants.
- Developed and deployed a new project management tool applicable to 7+ branches, including tracking systems for project activities, invoices, and key metrics, leading to improved project oversight and accountability.

LEADERSHIP EXPERIENCE

UBC Marketing Association, *Technology Director* May 2024 - Present

- Designed and launched a comprehensive membership portal using Next.js and Tailwind CSS, integrating Stripe payment processing and a user database to enhance membership management for the association.
- Maintained and updated the club's website, incorporating dynamic features and ensuring timely integration of new events, which improved user engagement and streamlined event management.

UBC Women in Computer Science (WiCS), *Marketing & Communications Lead* Apr 2023 - Present

- Boosted event success and attendance by crafting and executing detailed marketing strategies for 15+ events, resulting in increased participant engagement and visibility.
- Developed and managed engaging content for social media platforms, driving higher event attendance and online interaction, and facilitated collaboration within a team of 20+ executives to deliver impactful workshops and events.

PROJECTS

Happy Capy July 2024

- Created an interactive website using JavaScript, HTML, and CSS to deliver uplifting and motivational content. Integrated API to provide real-time positive quotes.
- Implemented interactive features, including a virtual fortune-telling tool and unlimited quote generation, which significantly increased user return rates and overall engagement with the site.

Corporate Sustainability Management Application Jan 2024 - Apr 2024

- Designed a relational database with over 7 entities and 10 relationships, employing ER diagrams, SQL DDL, and normalization techniques for effective sustainability tracking and reporting.
- Developed a user-friendly graphical interface with JavaScript and Oracle, allowing seamless tracking and management of sustainability metrics.

Personal Finances Tracker Sep 2022 - Dec 2022

- Developed a Java-based desktop application for personal finance tracking, focusing on an intuitive user interface and robust data handling. Implemented comprehensive JUnit testing and used JSON for efficient data storage and retrieval.
- Added advanced features such as customizable budget categories and financial goal tracking, enhancing the application's functionality and user experience.

SKILLS

Programming Languages Python, Java, SQL, C/C++, R, JavaScript, Racket, Assembly Language

Tools & Technologies VSCode, IntelliJ IDEA, RStudio, Jupyter, Git, GitHub, Oracle, MySQL, Office365, Tableau