

Gamu Mhere

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EDUCATION

University of British Columbia Okanagan

BSc. Computer Science (Minor in Psychology) Current GPA: 3.7

Sep 2022 - May 2027 (expected)

Kelowna, BC

Projects:

- **Supply Chain & Operations Analysis:** Analyzed multi-year operational data using SQL (Joins, Aggregations) to create a custom "Efficiency Score" for benchmarking warehouse performance. Forecasted 2024 revenue trends using Excel linear modeling, applying logic constraints to predict payment method obsolescence. Recommended strategic cost-saving measures, including liquidating "dead stock" and optimizing staffing for seasonal peaks
- **Local Roots - Direct-to-Consumer Marketplace:** Developed a group project with Android Studio to connect local farmers with consumers. Features included browsing products, adding/removing items from a cart, a map feature for locating farmers, and secure account management. GitHub was used for version control.
- **SpolierAlert! - Dataset Exploration, Cleaning and Trend Analysis:** Built a website using Python, JSON, and Visual Studio that interfaced with an IMDb movie review database. The application allowed users to browse, read, and write reviews. The UI design and mockups were created in Figma, and Docker was used for containerization.
- **EasyTime - Workforce Optimization and Operational Efficiency:** collaborated on a group project to create a web-based scheduling application inspired by scheduling inefficiencies I identified at the dispensary I worked for this past summer. The application includes scheduling functionality and a geolocation-based clock-in/clock-out system as well as different logins and access for employees and managers. We used Smartsheet for project planning, Figma for front-end design, a JSON database, and Postman API for development.

Coursework includes:

- Data Structures and Algorithms (DSA), Java Programming I & II, Data Science, Human-Computer Interaction (HCI), Databases, Software Engineering, Project Management, Cognitive Psychology, Psychology of Perception

Technical Skills

- Programming Languages: Java, JavaScript, Python, SQL, HTML
- Tools & Technologies: Git/GitHub, IntelliJ, Visual Studio, Android Studio, RStudio, MySQL, Docker, Figma, Smartsheet, Adobe Premiere Pro, Adobe Illustrator, JSON, Postman API, Microsoft Suite, Power BI
- Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms, Technical Design Documentation, Unit Testing, Algorithm Complexity Analysis, User Research Methods, Wireframing & Prototyping, Trend Analysis

Certifications

- Cambridge Learner's Award in IT (2021) for the highest grades in Zimbabwe
- Harvard CS50 Introduction to Computer Science
- Microsoft Learn Power BI Analyst Associate

EXTRACURRICULARS

- Active participant in the UBCO Coding Club, collaborating on projects, honing programming skills, and staying updated on the latest tech trends, as well as the Girls In Tech Coding Club that allows me to connect with other women in the field

WORK EXPERIENCE

Hi Cannabis Glenmore

Part-time Budtender

April 2025 – Present

Kelowna, BC

- Used the store's POS and inventory management system (COVA) to track product movement, reconcile stock, and analyze purchasing patterns during each shift.
- Identified operational inefficiencies in scheduling and staff coordination, leading to the proposal and early development of a custom employee-scheduling tool (EasyTime).
- Collected informal customer insights on product preferences and communicated trends to management to support better ordering and inventory decisions.