Olti Maloku

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Education

The University of British Columbia   Expected May 2025
Bachelor of Commerce, Combined Major in Computer Science and Business

- **Relevant Coursework:** Intro to Relational Databases, Software Architecture and Operating Systems, Data Structures & Algorithms, Object Oriented Programming, Discrete Mathematics, Systemic Program Design.

Technical Skills

Programming Languages: JavaScript, TypeScript, Java, SQL, Dart, C, C++, Python, SQL.
Frameworks: Flutter, Express, Node, JUnit, Tailwind, SvelteKit.
Other Technologies: Git, Docker, HTML, CSS, MongoDB, Figma, VS Code, Firebase, Excel.
Interests: Soccer, Fitness, Music, Piano, Entrepreneurship, Skiing.

Work Experience

Software Developer Intern | Edee Care | Vancouver, BC   May 2023 – October 2023
- Led the development of the first production-level mobile MVP (IDEA) using Flutter, Node, and MongoDB.
- Migrated server from JavaScript to TypeScript to ensure type safety and improved code maintainability.
- Directed the transition from MVC to MVVM architecture, enhancing app stability and state-management.
- Published application to Apple's TestFlight allowing the team to quickly iterate and upload new features.
- Designed and implemented database schema in MongoDB to ensure scalability and increased performance.

Product Manager Intern | Edee Care | Vancouver, BC   January 2023 – April 2023
- Led a product team of 2 UX designers and 1 researcher to develop and launch the pilot program.
- Created user flows and wireframes for 6 pivotal features of the mobile application's MVP.
- Visualized user health data using Google Sheets, simplifying comprehension of epilepsy condition.
- Conducted user interviews to gather feedback on features and usability leading to improved user experience.
- Collaborated with UX team to translate features into functional designs through continuous iteration.

Projects

IDEA, Epilepsy management app with health integration.   January 2023 – October 2023
- Cross-platform mobile application that utilizes wearables and journaling to help users manage their epilepsy.
- Developed using Flutter, Typescript, Node and Express, with MongoDB as the data storage solution.
- Collects biometrics through integration with Apple Health and Apple Watch using HealthKit.
- Hosted on AWS with CodePipeline to ensure automated delivery pipelines for fast and continuous updates.

Social Media DBMS, Database management system for social media app.   October 2022 – December 2023
- Java JDBC and SQL Plus-based DBMS for a social media app, enabling user-driven database management.
- Developed an intuitive Java Swing interface for database interactions, featuring real-time data visualization.
- Utilized SQL features such as nested statements, division, and aggregation with group-by and having.
- Implemented an ER diagram, effectively integrating it into the app to maintain database integrity.

Extracurricular Activities

Software Developer | UBC Launch Pad | Vancouver, BC   September 2023 – Present
- Developed dashboard user-interface from Figma wireframes utilizing Svelte and Tailwind CSS.
- Cut development time by creating a mock data API for UI testing without backend integration.

Soccer Team Captain | Kitsilano Secondary School | Vancouver, BC   September 2016 – June 2019
- Led the team to three City Championship Victories by serving as Captain and displaying strong leadership.
- Fostered a positive team culture by promoting collaboration and inclusivity, resulting in a motivated team.