

Marie Samantha Fidelia

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EDUCATION

The University of British Columbia

BSc Major in Computer Science, specialization in Software Engineering

GPA: 84.6%, Dean's Honours List

Sept. 2022 - May 2027

Vancouver, BC

EXPERIENCE

Incoming Software Developer Intern

SAP

- Concur Expense team.

September 2024 - April 2025

Vancouver, BC

Software Test Engineer Intern

WillowTree - TELUS International

- Developed and documented **over 100** UI automation and unit tests for T-Mobile Android components using Jetpack Compose in Kotlin, enhancing code coverage by **30%**.
- Conducted comprehensive regression testing using QTest, identifying and resolving **15** critical bugs.
- Actively participated in sprint planning and demo sessions, effectively contributing to agile practices and helping the team achieve a **20%** increase in sprint efficiency.

May - August 2024

Vancouver, BC

Computer Science Teaching Assistant

University of British Columbia

- Lead two weekly lab sections, conduct course team meetings and assessment grading, and provide one-on-one assistance through complicated programming design challenges in CPSC 110 (Computation & Programming), CPSC 107 (Systematic Program Design)
- Obtained a **99.3%** average satisfaction rating based on student feedback from lab sessions.

September 2023 - April 2024

Vancouver, BC

TECHNICAL PROJECTS

SHERBLOCK - [Stanford TreeHacks'24] | Next.js, Solidity, HardHat, ZKP Demo | [GitHub](#)

Feb 2024

- Solo developed a full-stack decentralized web 3.0 platform for crowd-sourcing information gathering (OSINT) to help solve missing person cases.
- Deployed the blockchain network to Caldera's (ETH) and Avalanche Fuji's (AVAX) chain with zero-knowledge proofs, ensuring tamper-proof handling of sensitive information and enabling secure cryptocurrency transfers.

QuickSort - [HackHarvard'23] | React Native, TypeScript, Node.js, PyTorch, PostgreSQL Demo | [GitHub](#)

Oct 2023

- Created a mobile app that utilizes computer vision to categorize items based on their recycling labels, with the integration of Maps API to display nearby recycling center locations, and a data visualization feature.
- Trained deep learning model with over 20k+ images, achieving an accuracy rate of 95%.

Expireminder | Java, JUnit, JSON, SWING GUI [GitHub](#)

Jan - April 2023

- Built an expiry date notifier desktop application with Java.
- Implemented both console-based UI and graphical UI with the Java SWING library.
- Managed data reading and writing with JSON objects.

TECHNICAL SKILLS

Languages: Java, JavaScript, Kotlin, Solidity, R, C#, C++

Front-end: React.js, Next.js, React Native, Tailwind CSS

Back-end: Node.js, Express.js, TypeScript

Frameworks: npm, HardHat, Tidymodels, Jetpack Compose

Testing: Cypress, JUnit, Compose Test

Others: Git/GitHub, Jira, Confluence, QTest, Jupyter Notebook, Unity, Android Studio