

MICHELLE MULIANA

Double Degree in BSc/BBA Student

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SKILLS

Languages: SQL, Python, C#, HTML, CSS (Sass), JavaScript (TypeScript), Dart

Tools/Frameworks/Libraries: Next.js / Express.js, React / Redux, React Native, Material UI, Chakra UI, Tkinter, Pandas, Django, Flutter

Concepts: Responsive Web Design, Version Control (Git), Search Engine Optimization (SEO)

PROFESSIONAL EXPERIENCE

TD Bank: **Software Engineer (Cybersecurity)**

Sept 2023 – Dec 2023

- Optimized the end to end user experience by **15x** by processing **250,000+** records through lazy loading, database indexing, SQL query optimization, and multithreading with **Python, Pandas, Tkinter** and **SQLite**
- Automated incident response metrics infrastructure using **Python, Grafana**, and **MS SQL Server** to monitor performance issues in complex security platforms via HTTP requests
- Created Pytest unit and functional test automation, mocking HTTP requests via VCR test library

Definity Financial: **Software Developer (Robotic Process Automation)**

Sep 2022 – Dec 2022

- Cut the company costs by **\$150,000** by creating a bot to migrate over 9 years' worth of confidential customer claim files using **UiPath, C#,** and **Visual Basic**
- Developed a bot to filter through hundreds of Excel data pulled daily to reduce teams' effort by 30 minutes each day

RBC Epic Founders Program: **Front End Developer**

May 2021 – Aug 2021

- Engineered an **Android** and **IOS** app helping **19,000** university students to find nearby events and classes using **Dart** and **Flutter**
- Combined the **Google Maps API** with Flutter widgets for users to manage location-based events into calendar system using **CRUD**
- Authenticated users using **Firebase**, ensuring that accounts required different permission levels

Blackberry Limited: **Information Technology Project Coordinator**

Jan 2022 – Apr 2022

- Successfully transitioned marketing team from Waterfall to Agile (Scrum and Kanban) by creating detailed project road maps, training sessions, and work breakdown structures using Jira, Confluence and Smartsheet

Everlink Payment Services: **Business Technical Analyst**

May 2021 – Dec 2021

- Collaborated with a cross functional team to deliver user requirements documentation, and process workflow
- Designed and executed integration testing plans for new application functionality, and product releases

PROJECTS

FitLog Dashboard | [Github](#)

Oct 2023 – Present

- Designed wireframes for the user interface using **Figma** and implemented product features for a fitness tracking website application with **React, Material UI, Django**, and **PostgreSQL**

Coteach | [Devpost](#) | [Github](#)

Sep 2023

- Led the application development of an educational platform designed to harness the concept of learning through teaching using **React, Chakra UI, Framer Motion, Cohere's Language Model (LLM)** and **Speech To Text Voice Recognition**

SheHacks Hackathon: GreeneryMiles – 2nd Place Overall and General Motors Prize | [Devpost](#) | [Github](#)

Jan 2023

- Directed a team to build a data analyzation tool web app for environmental footprint metrics, utilizing a tech stack consisting of **MongoDB, Express.js, Node.js, React-Redux** and 4 backend APIs

WinHacks Hackathon: Uni-Maps – 1st Place for Best Business Idea | [Devpost](#) | [Github](#)

Mar 2021

- Organized a team to build an mobile app for students to find events around campus on a centralized platform using **Google Maps API, Flutter, Dart** and **Firebase**

EDUCATION

Wilfrid Laurier University: **Double Degree Business Administration and Computer Science**

Sep 2019 – Dec 2024

- Concentration:** Business (Finance) & Computer Science (Big Data Systems)
- Related Coursework:** Object-Oriented Programming, Algorithm Design/Analysis, Data Structures, Computer Networks, Statistics
- Certifications:** Scrum Fundamentals Certified (SFC), Six Sigma Yellow Belt, Bloomberg Market Concepts
- Awards/Scholarships:** 1st Place TD 1D8 Innovation, IKEA's Sustainability Semi-Finalist, \$3,000 Entrance Scholarship