ALEX CAMERON

+1(613) 558-4763 ⋄ Ottawa, Ontario

alexjcameron@cmail.carleton.ca ⋄ github.com/alexcameron8 ⋄ linkedin.com/in/alexcameron8 ⋄ acameron.tech

TECHNICAL SKILLS

Languages	Java, C, Python, VB .NET, PHP, HTML, CSS, SQL, Dart
Frameworks	Flutter, Flask, Spring
Tools	Git, Docker, Jenkins, Collaborator, Visual Studio, VS Code, Android Studio, Intellij

WORK EXPERIENCE

Software Engineer, Co-op   May 2021 - Sep 2022
Gastops   *Ottawa, CA*

- Collaborated in multidisciplinary engineering teams to develop and maintain desktop client software applications using VB.NET framework.
- Implemented enhancements to an internal Python Flask web application tool used for data visualization and analysis.
- Developed user login page using PHP, HTML & CSS for an internal expense portal.
- Devised and performed test plans to improve the performance and reliability of several company software applications.

Aquatics Instructor/Supervisor   Mar 2017 - Aug 2020
City of Ottawa   *Ottawa, ON*

- Supervised 3-4 co-workers ensuring all policies and regulations were followed.
- Performed first aid and took appropriate action when dealing with patrons in sudden situations.
- Adapted teaching styles based on different ages and learning types of kids.

PROJECTS

IoT Smart Gardening & Farming System - Flutter, Python, Appwrite   Sep 2022-Present
Developed a mobile app and IoT enabled smart gardening and farming solution. The sensor node uses an ESP32 MCU to communicate with the sensor devices. Built the backend using Appwrite which communicates to the sensor node by an MQTT broker. The mobile app was developed with the Flutter framework.

Personal Website - HTML, CSS, Javascript   Dec 2021-Jan 2023
Developed a greater understanding of web development basics and fundamentals using HTML, CSS and Javascript to share my personal portfolio.

Elevator Simulator - Java   Jan 2022 - Apr 2022
Java desktop application which simulates an elevator system. This team project uses various software engineering concepts, such as, concurrency, scheduling, real-time systems, thread synchronization, internet protocols (TCP/IP) and MCV.

Risk Game - Java   Sep 2020 - Jan 2021
Designed and developed a GUI desktop application in java, based on the board game Risk, which implements several software development patterns, such as objected oriented programming, MCV and test-driven development.

EDUCATION

Bachelor of Software Engineering, Co-op, Carleton University   Expected Dec 2023

- Relevant Coursework: Object-Oriented Software Development, Algorithm Design, Sequential Programs.
- Cumulative CGPA: 9.41/12 (B+)
- Co-op work terms completed: 4/5 Work Terms
- Availability: 4 months starting May 2023 and full time in January 2024.