

Ajan Balaganesh

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SUMMARY

A dedicated and eager university student looking to apply my technical abilities in a real-life software development setting.

EDUCATION

Carleton University

Software Engineering BEng

GPA: 11.30/12.00

Ottawa, Ontario

September 2023-Present

SKILLS

Programming: Java, JavaScript, Python, C++, React.js, Node.js, Express.js, Angular, Java Swing, Tkinter, Pygame, Pyfiglet, Object-Oriented Programming, Debugging, Basic Data Structures and Algorithms

Tools and Databases: Visual Studio Code, Github, Oracle, Db2, Arduino, Agile, Fusion 360, Replit, AutoCAD, Wing 101, MongoDB

Soft Skills: Bilingual(English/French), Communication, Responsibility, Leadership, Self-Driven, Adaptability, Analytical Thinking, Collaboration, Curiosity, Empathy, Decision-Making, Attention to detail

EXPERIENCE AND LEADERSHIP

Private Math And Coding Tutor

Ottawa, Ontario

High school Tutor

May 2023-Present

- Provided tailored instruction and help to high school and middle school students covering computer science and math topics
- Covered a wide range of computer science topics such as languages(Java and Python), basic data structures, algorithms and SDLC models
- Fostered a supportive learning environment allowing students to use critical thinking

Mcdonald's

Ottawa, Ontario

Crew Member

April 2023 – Present

- Collaborated with other crew members in order to serve customer's orders in a timely and clean manner
- Resolved customers' complaints using many conflict resolution techniques

Digital Exploration Opportunities Program

Ottawa, Ontario

Accredited by the Canadian Resources Infrastructure Resilience Nexus

Aug 2022 – Sep 2022

- Utilized Arduino and C++ in order to build robots that can accomplish a myriad of tasks such as navigating through an obstacle course with the use of heat-seeking sensors
- Covered industry-essential topics such as computer networks, microprocessors and microcontrollers extensively

Ottawa South United Soccer Club

Ottawa, Ontario

Volunteer Assistant Coach for U13 Boys

Feb 2022 – May 2022

- Created specialized training sessions in order to improve team collaboration and skills using feedback from the head coaches and the players themselves
- Actively guided the players throughout games in order to drive player development and to improve their attention to detail when applying technical skills in-game

PROJECTS

Task Management Application

Ottawa, Ontario

Individual Project

December 2023 – Present

- Developed a comprehensive full-stack application with a React.js front end and an Express.js backend efficiently interacting with a MongoDB database through Mongoose
- Allows for users to create accounts and log in to existing accounts using JSON Web Token authentication
- Users can create, read and update tasks with ease, optimizing productivity and time management

Touch Typing Software

Ottawa, Ontario

Team Lead

April 2023 – June 2023

- Developed an application using Java Swing components that helps its users improve their typing speed and accuracy by progressing through multiple levels of typing challenges
- Application calculates WPM (words per minute) and typing accuracy after each attempt
- Client reported an increase of 6 words per minute and 18% typing accuracy after one week of usage

