# Daniel Fatokun

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Calgary, Alberta

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## Education

**University of Calgary**                                                                                   **Sept 2022 - Present**
Bachelor of Science in Engineering - Major in Software Engineering

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## Technical Skills

- Python, C, C++, MySQL, HTML, CSS, Java, React, JavaScript, TypeScript and Assembly.

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## Technical Projects

**Personal Portfolio**                                                                                                 **August 2024**
- Designed a responsive portfolio website, utilizing React, Next.js, TypeScript, Tailwind CSS, Framer Motion, and Email.js to deliver a seamless and dynamic user experience.

**E-commerce Website**                                                                                                    **April 2024**
- Developed an e-commerce website using React, Javascript, CSS, and Python, integrating an API to manage product data and user transactions. The site also featured a secure login system, restricting product access to registered users.

**Art Museum Database**                                                                                          **December 2023**
- Developed an application for an art museum to manage their art database using MySQL and Python. The application features three main interfaces: an admin interface for executing SQL commands and managing datasets, a data entry interface for employees to update art information, and a browsing interface with a multi-level menu for easy data lookup and navigation.

**Flight Management Program**                                                                              **December 2023**
- Designed a C++ program that reads data from a file, allowing users to manage passengers, view information, update and save data, display the seat map, and exit the program. The program effectively utilized classes, vectors, and linked lists.

**Handheld Retro Video Game Console**                                                                     **April 2023**
- Created and coded a retro video game and console, using Autodesk software for a detailed 3D concept. Developed the game "Brick Breaker" with C++ and an Arduino microcontroller.

**Mini Indoor Garden**                                                                                            **February 2023**
- Developed an automated indoor gardening system using C++ and an Arduino microcontroller. The system utilized sensors to monitor soil moisture and determine optimal watering times. An additional sensor detected light levels, activating an LED when necessary to maintain consistent lighting.

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## Work Experience

**ICT Coordinator - BrainSTEM Alliance**                        **Calgary, Alberta | May 2024 - Present**
- Redesigned the company's website, enhancing its user interface and experience to reflect the organization's identity and attract more viewers.
- Implemented a CRM system, making it easier for the organization to communicate and collaborate with its partners.

**Coding Instructor**                                                   **Calgary, Alberta | May 2024 - August 2024**
- Led coding classes for over 20 children aged 4-17, fostering interest in Computer Science and guiding them in exploring foundational programming concepts.
- Introduced students to the basics of AI, helping them grasp the concept on a surface level through hands-on coding activities and interactive learning tools.

**College Pro Window Cleaning**                               **Calgary, Alberta | May 2024 - July 2024**
- Cleaned windows and gutters, ensuring they were spotless, debris-free, and functioning properly.
- Collaborated with a team to complete tasks, ensuring efficiency and exceeding customer's expectations.

**Earls Bankers Hall**                                               **Calgary, Alberta | June 2023 - April 2024**
- Washed and effectively restacked dishes and cutleries to prepare the kitchen for customer demands.
- Portioned and measured food items used for meals
- Effectively communicated with the head chef during peak hours
- Completed additional cleaning tasks and ensured proper disposal of all garbage and recycling bins.

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## Club Activities

**Embedded in Embedded**                             **Calgary, Alberta | September 2023 - March 2024**
- Participated in the EIE program at the University of Calgary, where I developed expertise in embedded systems design. This involved hardware selection and application development, primarily utilizing embedded C programming language.