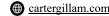
Carter Gillam



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Summary & **Skills**

I'm a full-stack developer who loves creating responsive, user-friendly web applications. I focus on iterative development, code quality, and thorough testing to deliver stable, high-performing solutions.

Languages: Python, Java, JavaScript, HTML, CSS, C++, C#

Frameworks/Libraries: Flask, React, Redux

Tools: Git, GitHub, MongoDB, VS Code, Figma, Unity

Work

P Full-Stack Web Developer

December 2024 - Present

First Choice Martial Arts - Contact/Part-Time Hamilton, Canada

JavaScript, Python, Flask, HTML, CSS, Git/GitHub, Flatpickr



- Developed a user/class management system (Flask, MongoDB), currently in early alpha, enabling parents/students to manage schedules and attendance.
- Built a dynamic UI using JavaScript, HTML, and CSS, featuring a responsive calendar (via Flatpickr) for admins and users.
- Implemented secure **RESTful APIs** for authentication, class scheduling, and booking, with **JWT** handling session management.
- Currently conducting alpha testing to identify and resolve bugs, prioritizing reliability through robust error handling and data validation.

Projects

& 2D Video Game: Palette Hero

C#, Unity, Git/GitHub

Action-platformer with dynamic color-based mechanics

- Led project planning and created a unique movement system, implementing 10+ gameplay systems (character/mob movement, menu scripts, terrain/camera control).
- Designed and integrated custom sprites and animations, promoting iterative testing to refine mechanics.

& Flight Search Booking System

JavaScript, HTML, CSS, Python, Flask, Git/GitHub, MongoDB

Dynamic web application enabling flight searches, seat selection, and booking

- Converted Figma UI/UX designs into responsive HTML/CSS and built a Flask backend with MongoDB for user and booking data.
- Conducted code coverage, integration, and E2E tests to ensure reliability, maintaining collaborative development with Git/GitHub.

Personal Portfolio Website

JavaScript, HTML, CSS, Git/GitHub, GitHub Pages

A responsive and visually appealing portfolio to highlight projects, skills, and experience.

- Created a modern interface using HTML and CSS, optimized for all devices with media
- Deployed to GitHub Pages with continuous updates for streamlined version control.

Education

Queen's University

September 2022 - May 2026

Bachelor of Computing – Software Design Specialization – 3.6 GPA 2023-2024 Dean's Honour List

Relevant Coursework: Data Structures, Algorithms, Software Quality Assurance