Caledonia, Ontario

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

🔗 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 queries.
- 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, Human-Computer

Interaction