

CHAITANYA PATEL

Milton, ON

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Education

University of Waterloo

September 2025 – May 2030 (expected graduation)

Honours Computer Engineering, Co-op

Waterloo, ON

- **Relevant Coursework:** Programming & Software Development (ECE 150), Linear Algebra (MATH 115), Calculus I (MATH 117), Engineering Design & Problem Solving (ECE 190)

Skill Set

Languages: Python, C++, JavaScript, SQL

Core CS Concepts: Data Structures, Algorithms, Object-Oriented Programming, Problem Solving

Web Development: HTML, CSS, DOM Manipulation, Responsive Design

Tools & Platforms: GitHub, VS Code, SQLite, GitHub Pages

Currently Learning: React, TypeScript

Relevant Experience

Web & UX Intern | Waterloo Experience Accelerate Program

January 2026 – April 2026

Grassroots Response To The Ukrainian Crisis

Waterloo, Canada

- Evaluated a web platform with **1,000+ monthly users** to bring up **10+ usability gaps** in navigation, responsiveness, and accessibility, leading to targeted improvements.
- Refined page layouts and reorganized **information hierarchy** for about 7 web pages to improve efficiency of key user actions, including accessing needed resources and navigating through donation flows.
- Collaborated in an **agile team** of 8 members, helping **break down tasks, prioritizing work**, and improving features through feedback.
- Designed and produced **25+ user-facing assets**, handling end-to-end pipeline, to support onboarding and outreach, improve clarity and consistency of digital communication.

Projects

TaskFlow SPA

April 2026

- Built and deployed a responsive Single Page Application (SPA) for task management using **HTML, CSS, and JavaScript** to strengthen fundamentals in web development and DOM manipulation.
- Managed the application through Github pages and the application data using JavaScript **array methods** (filter, map) to allow users to instantly switch between "All", "Active", and "Completed" task views without refreshing the page.
- Implemented client-side data saving using the browser's **localStorage API**, ensuring that users do not lose their tasks when closing the tab or reloading the browser.
- Enhanced user experience by coding dynamic UI features, including **custom "empty state" messages and icons** that change based on the user's current filter view.

Expense Tracker

March 2026 – April 2026

- Designed and deployed a single-page expense tracker with **real-time balance and income/expense summaries**, including a **net revenue percentage indicator** that dynamically switches between colour-coded profit and loss (i.e., a green background for profits and red for losses).
- Implemented persistent **localStorage** to keep transactions saved between sessions, with add/delete functionality, **live balance recalculation**, and CAD currency formatting via the Intl API.
- Structured a responsive UI using CSS Grid and Flexbox with slide-in animations, colour-coded transaction items, and mobile-first media queries for clean **cross-device usability**.

Certifications

Computer Science & Programming: Programming Foundations: Data Structures & Algorithms; Python Essential Training; Intro to Computer Science in Python

Web Development & User Experience: HTML, CSS, JavaScript: Building the Web; HTML Essential Training | CSS Essential Training; User Experience for Web Design

Data, Cloud & AI: SQL Essential Training; Microsoft Azure Fundamentals (AZ-900); Career Essentials in Generative AI; Microsoft 365 Copilot for Work