

CASEY ADAMS

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Education

Vancouver Island University

Expected Graduation: May 2027

Bachelor of Computer Science | GPA: 3.6

- Relevant Courses: Software Engineering, Data Structures & Algorithms, Systems & Networks, Computer Architecture and Assembly Language, Web Programming, Databases, Discrete Math

Projects

Shambhala Music Festival Medical App | Python, React, FASTAPI

September 2025 - Present

- Developed a data-generation and analytics pipeline using Python and FastAPI, producing 1,000+ entries modeled on real medical records collected at the festival to support clinical research and operational planning.
- Built interactive data-visualization dashboards with Plotly and integrated them into a React frontend, enabling medical staff to explore trends and insights.
- Implemented with Postgres queries and effective API routes to ensure reliable, real-time retrieval of medical entries.

Surrounded | C#, Git, Unity

Sept. 2024 - Jan. 2025

- Designed and built a Unity-based 2D shooter, implementing vector physics, UI, and round systems to achieve smooth, responsive gameplay.
- Developed modular C# scripts using OOP to streamline object behavior and collision handling.
- Coordinated development with Git and a Kanban board. Produced requirements, ERDs, and Markdown documentation to support clear team alignment and fast iteration cycles.

Japanese Program Website | Wordpress, HTML, CSS

September 2025 - Present

- Updated program pages using HTML/CSS and refined existing WordPress assets to improve visual consistency and overall site structure.
- Redesigned link navigation and UI flow, creating a more intuitive and user-friendly browsing experience.

Work Experience

BC Ferries | Customer Service Attendant

May 2024 - August 2025

- Collaborated in cross-functional teams to resolve real-time customer and operational issues, strengthening problem-solving, communication.
- Built strong professional relationships with colleagues and diverse customers, developing cultural awareness and interpersonal skills for effective teamwork.

Leadership Experience

Japanese Conversation Club | Club Leader

September 2025 - Present

- Hosted weekly conversation sessions for 50+ members, including beginner and native speakers. Acting as a leading interpreter and translation assistant.
- Fostered cross-cultural communication by social media outreach with weekly Instagram posts, gaining over 100 followers on Instagram.
- Collaborated with members, faculty, and community groups to organize events (e.g. movie nights, food sales), developing community and cultural awareness.

Technical Skills

Languages: Python, HTML, CSS, Javascript, Typescript C++, C#, C, SQL, Bash

Developer Tools: Git, Github, Postman, Co-Pilot, Docker, VSCode, Gitlab, Linux, Wordpress

Libraries/Frameworks: ReactJS, FastAPI, Flask, PostgreSQL, Plotly