

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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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