

Rowan Hall

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EDUCATION

University of Victoria

Bachelor of Science in Computer Science

Expected May 2027

Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms, Software Development, Database Systems, Computer Networks, Operating Systems, Linear Algebra, Calculus I-III

TECHNICAL SKILLS

Languages: Python, Java, C, C++, Bash, HTML/CSS, JavaScript, TypeScript

Frameworks: Next.js, React, Node.js, Express.js, NumPy, pandas, OpenCV, Flask, FastAPI, PyTorch

Tools: Git, Unix, Amazon Web Services: (Lambda, S3), PostgreSQL, MongoDB, Jupyter, Docker, CI/CD

EXPERIENCE

Victoria Golf Club

Line Cook

Victoria, BC

April 2025 – Present

- **High-Pressure Execution:** Managed high volume workflows during peak hours, delivering 100+ covers per shift.
- **Event Management:** Coordinated kitchen team to execute large events serving 150+ members and guests.
- **Team Collaboration:** Maintained clear communication between kitchen teams to ensure timely service delivery.

PROJECTS

CrossList (Multi Platform Resale Automation Tool) | *Next.js 14, TypeScript, Supabase, PostgreSQL*

November 2025 - Present

- Built a full stack platform that allows sellers to manage inventory and publish listings on 5 marketplaces. (Facebook Marketplace, Grailed, eBay, Depop, Shopify)
- Reverse engineered GraphQL/REST APIs for Facebook Marketplace and Grailed to automate cross listing.
- Built a Chrome extension to sniff auth tokens and session cookies from marketplace sites for API automation.
- Built cross platform image upload pipeline handling presigned S3 flows, antibot headers, and multipart form uploads
- Automated cross platform delisting via Stripe webhooks, syncing inventory on payment to prevent double sales.

LinguaLearn (Chinese AI Language learning web app) | *FastAPI, MongoDB, Docker, Hugging Face, PyTorch*

September 2025 - November 2025

- Built a full stack AI Language Learning platform with React and FastAPI for interactive Chinese language tutoring.
- Fine-tuned a Qwen 2.5 (7B) LLM using QLoRA on a custom synthetic dataset to produce JSON grammar corrections (correction, explanation, pinyin), and deployed it on RunPod serverless GPUs for cost efficient inference.
- Designed MongoDB schema for conversation persistence and user progress with structured feedback system.
- Containerized application using Docker Compose with multi service architecture for scalable deployment.

ConwaysGoods (Full-Stack E-Commerce Platform) | *Python, TypeScript, React, AWS, PostgreSQL*

January 2025 - March 2025

- Built full stack e-commerce platform using React + Typescript Frontend and Flask + Python Backend.
- Developed PostgreSQL product storage and S3 media hosting via presigned URLs.
- Streamlined deployments with Docker and AWS Lambda for serverless deployment.
- Designed a scalable authentication system using Flask's application factory pattern and modular Blueprints.

VOLUNTEERING

University of Victoria Students Society (UVSS)

Community Volunteer

Victoria, BC

September 2025 – Present

- Collaborated with a diverse team to execute large scale campus events, ensuring adherence to safety protocols.
- Demonstrated reliability and time management by balancing shifts with Computer Science course load.