

Lauren Yip

laurenyip10@gmail.com | 778-980-0933 | linkedin.com/in/lauren-yip | github.com/laurenyip

EDUCATION

Simon Fraser University

Burnaby, BC

Bachelor of Science in Computer Science

Expected graduation: Spring 2026

- Relevant courses: Intro to Business Fundamentals, Data Structures and Programming, Intro to Software Engineering, Intro to Programming I & II, Discrete Math I & II & III, Statistics, UX/UI design, Computational Data Science, Affective Computing, Visual Computing
- SFU Clubs and Affiliations: WICS Technical Coordinator 2024-25, WICS Event Organizer and Mentor, Blueprint AI Engineer 2024, Club Volleyball 2021-22, Atelier.place

WORK EXPERIENCE

IT Cybersecurity Infrastructure and Platforms Intern

Sept 2024 – Dec 2024

BC Hydro

Vancouver, BC

- Ideated and developed an **AI Assistant** based on Leon AI for cybersecurity infrastructure, utilizing SQL and Python for platform queries and webscraping; designed and programmed the UI with Figma and React, to **boost team communication efficiency by 50%** and ensure accurate, real-time data.
- Identified feature requirements via interviews, integrating Splunk and Cisco Umbrella to **enhance robust security operations**, leading to a **40% improvement in threat detection** and better access to critical insights.

Machine Learning Fellow - Accelerator Award WINNER

May 2024 – Aug 2024

AI4GOOD Lab

Toronto, ON

- Studied **Machine Learning** and **data science** techniques including **neural networks**, **generative AI**, and **deep learning**. Project coordination, market research, and UX design planning including ethical concerns and logistics.
- Developed a fullstack AI project (Brig.AI, listed below) with a multidisciplinary team and presented it to a panel of judges, leading ML researchers, and 200+ attendees. Wrote and published a blog post for AI4GOOD, promoting our project and cause to future participants.

Undergraduate Research Assistant

Jun 2023 – Jun 2024

ROSIE Labs, SFU

Burnaby, BC

- **Co-authored** publication on non-verbal Human-Robot interactions by identifying and analyzing 1099 interactions between participants and virtual agents, **produced** an informational video and website using **React**.
- Attended meetings and participated in discussions, introducing new ideas, providing input and observations on the study, and edited the paper with **LaTeX** to improve clarity, readability, and formatting.

LEADERSHIP EXPERIENCE

Technical Events Lead

May 2024 – Apr 2025

SFU Women in Computer Science (WiCS)

- Coordinated, marketed, and hosted events for SFU Women in Computer Science (WiCS), gathering student requirements and collaborating with companies like Workday, Netgear, and RBC Borealis to organize networking sessions with 50+ attendees and technical interview skill-building workshops for 20+ attendees.

PROJECTS

Brig.AI | *Python, Flask, React.js*

Jun 2024

- A platform where women can become empowered to self-advocate for proper reproductive healthcare. Used machine learning models **Logistic Regression**, **Adaboost**, and **Kmeans clustering**.

Emergency Response BC | *JS, HTML, CSS, Python, Flask*

nwHacks 2024

- A website that allows you to input your location and view the nearest hospitals and their ER wait times. Worked with **webscraping**, **RESTful APIs**, and the Haversine Formula.

SKILLS

Programming Languages, Frameworks, and Libraries: Python, C/C++, R, Java, MatLab, SQL, TypeScript, React, Flask, Splunk SPL, Vue.js, JUnit, Pandas, NumPy, Matplotlib, Spark, TensorFlow, ScikitLearn.

Technologies: Git, RESTful APIs, Node.js, JIRA, Docker.

Design Tools: Figma, Adobe Photoshop, Adobe Illustrator, Adobe Premiere, Blender.

Personal Interests: Oil painting, reading, writing, piano, guitar, beach volleyball, swimming, hiking, snowboarding.