Lauren Yip

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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 and Mentor 2024-25, Blueprint AI Engineer 2024, Club Volleyball 2021-22, Atelier.place (Socratica)

WORK EXPERIENCE

IT Cybersecurity Infrastructure and Platforms Intern — Sept 2024 – Dec 2024
BC Hydro — *Vancouver, BC*

- Ideated, designed, and developed an **AI Assistant** for cybersecurity infrastructure, utilizing SQL and Python for platform queries and webscraping; ensuring accurate, real-time data and **reducing meeting time by 30%**.
- 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 Brig.AI, listed below, with a multidisciplinary team and presented it to judges, leading ML researchers, and 200+ attendees. Promoted our project and cause by writing a blog post for AI4GOOD Lab's website.

Undergraduate Research Assistant — Jun 2023 – Jun 2024
ROSIE Lab, 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**.

LEADERSHIP EXPERIENCE

Technical Events Lead — May 2024 – Apr 2025
SFU Women in Computer Science (WiCS)

- Gathered student requirements, planned and collaborated with companies like Workday, Netgear, and RBC Borealis to host networking sessions and technical skill-building workshops for 50+ attendees.

PROJECTS

PRD+ | *UBC PMC Product Sprint - 1st Place / 20 teams* — Mar 2025

- Led product lifecycle for **PRD+**, a Chrome extension that has an in-built centralized PRD display, AI-assistant, and quick checklist function to ensure best practices in the product requirements documentation process for Telus, reducing PRD-related meeting time by 50%, knowledge search by 75%, and writing time by 25%.
- Conducted comprehensive user research to identify pain points and the problem space, wrote a detailed PRD, created an interactive prototype with Figma, and pitched to a panel of 6 Telus PM judges.

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, Node.js, JUnit, Pandas, NumPy, Matplotlib, Spark, TensorFlow, ScikitLearn.
Technologies: Git, RESTful APIs, 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.