

Lauren Yip

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Excited by applications of AI for ocean conservation and visual effects!

EDUCATION

Simon Fraser University

Burnaby, BC

Bachelor of Science in Computer Science

Expected graduation: Spring 2026

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

WORK EXPERIENCE

IT Cybersecurity Infrastructure and Platforms Intern

Sept 2024 – Dec 2024

BC Hydro

Vancouver, BC

- Developed an **AI Assistant** for cybersecurity infrastructure, utilizing Generative AI for **platform queries** and enhancing security operations; designed and coded the UI, integrating databases and web scraping.
- Identified feature requirements via interviews, integrating Splunk and Cisco Umbrella to boost team communication by 50% and ensure accurate, real-time data.

Machine Learning Fellow - Accelerator Award WINNER

May 2024 – Aug 2024

AI4GOOD Lab

Toronto, ON

- Studying **Machine Learning** and **data science** algorithms and techniques including **neural networks**, **generative AI**, and **deep learning**. Project building and planning including ethical considerations and logistics.
- Developing a fullstack AI project (Brig.AI, listed below) with a team and presenting it to a panel of judges and leading ML researchers. Publishing a blog post for AI4GOOD, promoting our project and cause.

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, **producing** an informational video and [website](#) using **React**
- Attended meetings and participated in discussions, introducing new ideas, providing input and observations, and reporting on progress to streamline the project's communication, data collection, and editing

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**. [Link](#)

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 [Link](#)

Cassava Classifier | *Python*

May 2024

- Developed a pipelined machine learning solution for Cassava disease classification. Data exploration, model selection, and training with CNNs. Discussed model performance and deployment challenges. [Link](#)

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: Microsoft Office, Git, GitHub, RESTful APIs, Node.js, IntelliJ, VSCode, JIRA

Design Tools: Figma, Adobe Photoshop, Adobe Illustrate, Adobe Premiere, Blender

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

REFERENCES

Dr. Angelica Lim

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Assistant Professor at SFU, Lab Supervisor (Rosie Lab)

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Assistant Manager, Supervisor (Maruhachi Ramen)

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