

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

Sept. 2021 – Expected graduation: Spring 2025

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

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

- AI Assistant Development: Led the creation of a Proof of Concept for an AI Assistant tailored to Cybersecurity Infrastructure, utilizing Generative AI to handle platform queries and enhance security operations.
- Cybersecurity Integration: Played a key role in feature requirement development, data normalization strategies, and the integration of the AI Assistant with core cybersecurity platforms including Trellix, Tenable, Splunk, and Cisco Umbrella.

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

June 2023 – June 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 project progress to manage the project's analysis and data collection

PROJECTS

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

Jun 2024

- A platform where women can learn about their symptoms and options, and feel empowered to self-advocate for proper reproductive healthcare. Utilized machine learning models Logistic Regression, Adaboost, and Kmeans clustering for diagnostic accuracy and to recommend appropriate tests based on symptoms. [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. [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: Python, Flask, C/C++, R, Java, MatLab, SQL, React

Languages: English, Cantonese

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

angelica@sfu.ca

Assistant Professor at SFU, Lab Supervisor (Rosie Lab)

778-980-6568

Daniel Park

thpark0220@gmail.com

Assistant Manager, Supervisor (Maruhachi Ramen)

778-773-3969