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

Clubs and Affiliations: WICS Technical Coordinator Summer 2024-Spring 2025, SFU Club Volleyball 2021-22

WORK EXPERIENCE

Machine Learning Fellow - Accelerator Award WINNER   May 2024 – August 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

Visual Media Coordinator   December 2023 – July 2024

Team Phantom, SFU   *Burnaby, BC*

- Conceptualized and produced visually compelling designs to enhance Team Phantom's image, resulting in increased sponsorship interest and strengthened connections with the student body

- Professional collaboration experience with cross-functional teams in a multidisciplinary environment to translate ideas into impactful campaigns, applied UI/UX principles and heuristics to optimize sponsorship

PROJECTS

Brig.AI | *Python, Flask, React.js*   Jun 2024

- Brig.ai provides a platform where women can educate themselves about diagnostic tests and empower themselves to advocate for proper 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

Friends Book | *C++*   Sept 2023

- A command-line version of a social network that organizes and manages friend profiles. Refining skills in C++ memory management, efficient algorithms, and object-oriented programming.

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, drawing, baking, piano, guitar, volleyball, swimming, hiking, snowboarding

REFERENCES

Dr. Angelica Lim   Assistant Professor at SFU, Lab Supervisor (Rosie Lab)
angelica@sfu.ca   *778-980-6568*
Daniel Park   Assistant Manager, Supervisor (Maruhachi Ramen)
thpark0220@gmail.com   *778-773-3969*