

Sadie Lee

Email: slee103@student.ubc.ca • Portfolio: leesadie.com • LinkedIn: [@leesadie](https://www.linkedin.com/in/@leesadie) • GitHub: [@leesadie](https://github.com/@leesadie)

Education

University of British Columbia — Vancouver, BC, CA

Class of 2026

B.A. — Cognitive Systems; Minor — Data Science

Relevant Coursework:

Symbolic Logic; Statistics for Data Science; Informatics;
Designing Cognitive Systems; Programming and Algorithms

Experience

BC Children's Hospital Research Institute — Research Assistant

UBC Department of Medicine – Tang Laboratory

Sept. 2023 – Present

Digital Health Innovation Lab – Görges Laboratory

May 2023 – Aug. 2023

Writing scripts in R and defining protocol to automate time in range data collection
Designing and testing surveys in REDCap

UBC MINT — Deep Learning Researcher

Mar. 2023 – Present

Multifaceted Innovations in Neurotechnology

Learning convolutional neural networks with PyTorch, Conda, and Docker to classify MRI brain tumor data
Developing tests to explore human-robot interaction for reinforcement learning based neurorobotics
Researching and implementing algorithms for multi-agent reinforcement learning from EEG signals

Emerging Media Lab — Developer

May 2023 – Sept. 2023

Piloted frontend and backend development of an immersive audiovisual web app for forest bathing
with React.js, Node.js, MongoDB, TypeScript, and Tailwind CSS

180 Degrees Consulting — Data Science Analyst

Jan. 2023 – May 2023

Data Science for Social Good Program

Designed and developed an analytics reporting platform to help a non-profit analyze impact with
quantifiable metrics using Google Data Studio
Performed exploratory market research and competitor analysis; modeled impact with KPIs

Featured Project

Cognitive Systems 200 Research

Proposed a model that establishes a physiological relationship between stress states and affective states,
implemented with the inclusion of affect detection as an auxiliary task in a stress detection system.

More info at leesadie.com

Leadership Activities

UBC Club Hong Kong — External Relations Strategist

Sept. 2022 – May 2023

Generated and carried out ideas for events to support UBC's Hong Kong community as well as the sharing
of culture between communities on campus.

Skills & Tools

Languages

Python • R • JavaScript • TypeScript • HTML • CSS • C#

Tools + Technologies

React.js • Next.js • MongoDB • Node.js • PyTorch • Jupyter • Tailwind CSS • Unity
Git • Conda • Docker • Google Data Studio • Figma • Illustrator • Davinci Resolve

Research

REDCap • LaTeX Software