Sadie Lee

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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

Building functions in R and defining protocol to automate time in range data collection
Designing surveys in REDCap
Engaged with diabetes education centres to recruit participants for a randomized control trial

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
Investigating human-robot interaction for reinforcement learning based neurorobotics

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