

Sadie Lee

Email: sadielee003@gmail.com • 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

B.A. in Cognitive Systems | Minor in Data Science

May 2026

Relevant Courses: Programming and Algorithms, Designing Cognitive Systems, Cognitive Processes, Foundations of Data Science, Statistical Inference for Data Science, Differential Calculus

Technical Skills

Programming Languages: Python, C#, R, JavaScript, TypeScript, HTML, CSS

Tools & Technologies: PyTorch, Git, Conda, Docker, Jupyter, ReactJS, NextJS, MongoDB, Unity, REDCap, Looker

Experience

Research Assistant | BC Children's Hospital Research Institute

UBC Department of Medicine - Tang Laboratory
Digital Health Innovation Lab - Gorges Laboratory

Sept. 2023 - Present

May - Aug. 2023

- Writing scripts in R, and defining protocol to analyze time in range biomarker data for over 100 participants
- Communicating with participants to effectively resolve app software issues for a randomized controlled trial investigating if a social network intervention decreases diabetes distress

Software Developer | UBC Emerging Media Lab

May - Sept. 2023

- Collaborated with a team of 5 to develop a fully functional web application with a TypeScript-based frontend in NextJS, NodeJS backend, and non-relational database with MongoDB to store user input data
- Integrated Unity and Needle Engine for augmented reality capabilities of the web app

Deep Learning Researcher | UBC Multifaceted Innovations in Neurotechnology

March 2023 - Dec. 2023

- Classified MRI brain tumor data with object-oriented programming and convolutional neural networks using PyTorch, Conda, and Docker
- Developed tests and conducting literature reviews to explore interaction between humans and reinforcement learning agents

Data Science Consultant | 180 Degrees Consulting

Jan. - May 2023

- Designed and developed an analytics reporting platform with Looker (Google Data Studio) to help a non-profit quantify marketing impact through key performance indicators (KPIs) and user testing
- Conducted user research and wrote a data management guide specific to the organization

Projects

Development and Assessment of a Mobile Application for Peer Support in T1D

- Investigating the development and effects of a mobile app for a co-designed social-network intervention on individuals with type 1 diabetes in British Columbia

Network and Topological Data Analysis in Neuroscience

- Using concepts from network analysis and topological data analysis (persistent homology, Betti numbers) to analyze resting state fMRI data

Leadership Activities

Teacher | UBC Ballet Club

Sept. 2023 - Present

- Teaching advanced ballet classes to university students on a weekly basis
- Cultivating a welcoming environment by forming relationships with students and strengthening knowledge