Sadie Lee

Email: leesadie025@gmail.com | LinkedIn: @leesadie | Github: @leesadie | Portfolio: leesadie.vercel.app

EDUCATION

University of British Columbia   Vancouver, BC, CA
Bachelor of Arts in Cognitive Systems; Minor in Data Science   *2022 – 2026*
Relevant Coursework: Statistical Inference, Statistical Modeling, Databases in Data Science, Applied Machine Learning, Programming and Algorithms, Visualization for Data Science, Cognitive Neuroscience

EXPERIENCE

Undergraduate Teaching Assistant   Jan. - Apr. 2026
University of British Columbia
- COGS 401 - Seminar in Cognitive Systems

Data Science Intern   Summer 2025
Voythos
- Building an image processing and modeling pipeline for feature extraction of CT DICOM images – PyTorch, torchvision, Nibabel, Linux OS
- Fine-tuning LLMs to extract clinical features from radiology reports

Research Student - Mayo Clinic Platform   Summer 2025
Mayo Clinic
- Conducting original research to investigate patient re-identification risks from AI models trained on de-identified medical images

Undergraduate Intern - Mayo Clinic Platform   Summer 2024
Mayo Clinic
- Built 3D classification and segmentation models with MR DICOM images to develop an end-to-end medical imaging for AI modeling workflow – PyTorch, torchvision, pydicom, Nibabel, Linux OS
- Identified data cohorts for prospective customers with SQL queries
- Developed customer acquisition and product insight dashboards in Power BI

Research Assistant   May 2023 – Apr. 2024
BC Children's Hospital Research Institute / UBC Faculty of Medicine
- Understanding the effects of peer support via mobile app on time in range for adults with type 1 diabetes
- Wrote scripts to automate collection and analysis of time in range data – R, tidyverse

RESEARCH

Formalizing Ethical Design in Prostate Cancer Image Analysis: A Preliminary Case Study
Accepted by 2024 IEEE MIT Undergraduate Research Technology Conference

Topological Data Analysis and Interpretability of 3D-Convolutional Neural Networks
Accepted by 2024 AAAI Undergraduate Consortium

TECHNICAL SKILLS

Languages: Python, R, SQL, C#, Javascript, Typescript, LaTeX, HTML, DAX
Technologies & Environments: Git, Jupyter, Unity, Power BI, MongoDB, React, Next.js, Node.js, Oracle, Windows, Linux
Libraries: pandas, numpy, Matplotlib, PyTorch, torchvision, NiBabel, Pydicom, Sklearn, NetworkX, tidyverse, D3.js

VOLUNTEERING

Deep Learning Researcher   Mar. – Dec. 2023
UBC Multifaceted Innovations in Neurotechnology
- Explored interaction between humans and EEG brain computer interface-based reinforcement learning agents

Data Science Consultant   Jan. 2023 – Apr. 2023
180 Degrees Consulting
- Quantified and evaluated impact for a non-profit organization with a KPI dashboard in Looker (Google Data Studio)