ADDISON WEATHERHEAD

(207) · 518 · 3668 ◇ addison.weatherhead@mail.utoronto.ca ◇ addisonweatherhead.com ◇ LinkedIn

EDUCATION

University of Toronto — Toronto, ON
HBSc Specialist in Computer Science with a Focus in AI, Minor in Mathematics — *2019-Present*

EXPERIENCE

The Hospital for Sick Children — Toronto, ON
Undergraduate Student Researcher — *May 2021-Present*

- Worked in Professor Anna Goldenberg's lab at the Vector Institute on Machine Learning research focused on applications in healthcare.
- Utilized a dataset from the SickKids ICU and modern deep learning approaches to create meaningful representations of the patient data.
- Became familiarized with, and used, Transformers, RNNs, VAEs, and Gaussian Processes.

PROJECTS

Building a Neural Net in NumPy — Summer 2020

- Used the NNFS book to make deep neural networks in Python using only NumPy. I implemented and understand at an intuitive level the feed forward process, backpropagation, and optimization.
- Recognized at the end of the book for providing useful edits/suggestions during the development process of the book.

EXTRACURRICULAR EXPERIENCES

UofT AI — March 2020-Present

- Helped organize and launch ProjectX, which is an international Machine Learning research competition, which aims to get undergraduates involved in the field.
- Was instrumental in creating an ongoing partnership with AI Commons. We developed an introductory machine learning curriculum for cohorts in Ghana, Kenya, Mexico, and many more. I personally designed and gave a lecture on popular clustering algorithms.
- Currently leading a team working on developing critical components of ProjectX 2021 including dataset collection, judge and mentor outreach, and defining the research areas. This year's ProjectX will have competitors focusing on ML research applied to the health space.

TECHNICAL SKILLS

Languages & Frameworks (Proficient): Python, C, LaTex, PyTorch, NumPy
(Familiar): TensorFlow, Pandas, Java

HONORS AND AWARDS

2021 Dean's List Scholar for the 2020-2021 Academic Year
2019 Sam Rosenthal Scholarship ($3,000 USD): Portland High School