

EDUCATION

Toronto, ON **University of Toronto** **September 2016 – May 2021**

- B.S. in Computer Science and Cognitive Science, expected May 2021. **GPA: 3.85**
- Coursework: Operating Systems; Databases; Machine Learning; Artificial Intelligence; Web Development; Cognitive Neuroscience

EMPLOYMENT

Machine Learning Developer **Dessa** **September 2019 – Present**

- Developed a Python SDK to save machine learning model artifacts to redis using Flask and Docker, used by **hundreds of AI researchers**.
- Integrated graphing libraries into the user interface using React to visualize parameter-metric correlations from machine learning models.
- Managed automated builds for **product releases** via Docker, Jenkins, and Google Container Registry.

Junior Software Developer **PolicyMe** **May – July 2019**

- Created an end-to-end RPA pipeline using React.js, PostgreSQL, Python, Selenium, and AWS Elastic Beanstalk to automate form submissions and **save 20+ hours** of weekly manual labour.
- Integrated email validation using React.js, Redux, and Kickbox to prevent fraudulent information from polluting the data pipeline.

Teaching Assistant **University of Toronto** **January – April 2019**

- Facilitated learning of an introductory computer science course by **leading a class** of over 30 students.
- **Taught** fundamental concepts on data structures, algorithms, and object-oriented programming.

Android Developer **Computational Cognitive Development Lab** **September 2018 – April 2019**

- Designed and developed an Android application to manage psychological experiments for use in current **world-leading cognitive research**, integrating computer vision models using TensorFlow Lite.

Lab Data Scientist **Duncan Lab** **May – August 2018**

- Rewrote a part of the pipeline for eye-tracking experiment data using pandas to improve speed efficiency of data flow by **10x**.
- Managed data collection using Amazon's MTurk and the AWS SDK.

PROJECTS

- **ext2**: Implementation of the ext2 file system from scratch, supporting file system functions such as navigation, directory creation, file linking, and corruption detection and restoral. *C*
- **Color Infinity**: iOS game monetized with Google AdMob. Accumulated 100+ installs and a 5-star rating on the App Store. *Swift, Xcode*
- **DontSkipTheDishes**: Online dashboard of personalized food recipes based on ingredients in your fridge. Users could create accounts to log their ingredients and rate other people's recipes. *React.js, Express.js, MongoDB*

LANGUAGES AND TECHNOLOGIES

- Python, React.js, Javascript, Java, C (proficient)
- Bash, Docker (knowledgeable)
- Swift, Xcode, Android Studio (prior experience)
- Git, particularly with GitHub