

SKILLS

- **Languages:** Python, TypeScript, JavaScript, C, HTML/CSS, Java, R
- **Libraries/Frameworks:** Next.js, React.js, Express.js, Astro, Flask
- **Database/Cloud:** SQL, NoSQL, MongoDB, Firebase, Google Cloud Platform
- **ML/DS:** Tensorflow, Scikit-learn, Pandas, Numpy, Pytorch, regression, data analysis
- **Tools:** Git, Node.js, Jira, Figma, Android Studio, JUnit, Notion, L^AT_EX, agile, scrum

WORK EXPERIENCE

Web Developer | *DS3, Toronto, CA*

Oct 2023 - Present

- Migrated website from **Astro** to **Next.js**.
- Developed annual Datathon event website with **Next.js**, **TypeScript**, and **TailwindCSS**.
- Created Datathon admin authentication system with the use of NextAuth.js and JWT.
- Worked in an agile team with two week sprint times.

Data Science Research Assistant | *IAI Lab, Toronto, CA*

Jun 2023 - Dec 2023

- Developed innovative solutions to various research initiatives such as CS student behavior by leveraging my skills in data analysis, data visualization, hypothesis testing, and regression modeling.
- Actively collaborated with a multidisciplinary team aimed to extract insights, uncover patterns, and build predictive models from diverse datasets, utilizing a combination of **Python** and **R** programming.

PROJECTS

CharityChain

JavaScript, React.js, Node.js, Firebase, Vite, Figma, Git

- Developed the front-end, implementing and designing CharityChain's user interface as well as enhancing user experience with seamless ease-of-use functionality.
- Engineered the back-end by structuring the database to optimize data storage and data retrieval following CRUD principles.

ShopEaze

Java, Firebase, Android Studio, Figma, Jira, Git

- Designed, developed, and tested an Android native mobile eCommerce application built with Java as a **scrum master** in an agile environment to provide users with an enhanced experience in an eCommerce platform.
- Release of ShopEaze resulted in positive feedback from **over 50** users with an average rating of **80%** as it promoted user-friendly design that allowed users and store owners to easily connect with orders.

PriceMe

TypeScript, Next.js, MongoDB, TailwindCSS, Git

- Fully engineered a price-tracking eCommerce website that uses **web scraping** and **cron jobs** to provide users the liberty of finding the latest prices for their desired Amazon products through emailed updates.
- Release of PriceMe produced an increased efficiency of an Amazon user's shopping experience by **over 17%** from a review base of **over 100** users.

Housing Price Predictor

Python, NumPy, Pandas, Matplotlib, Jupyter Notebook

- Developed and implemented machine learning models, including linear regression and random forest regression, to predict housing prices, achieving a predictive accuracy of approximately **81.44%**.
- Performed data preprocessing, exploratory analysis, feature engineering, and hyperparameter tuning to optimize model performance, demonstrating proficiency in Python libraries.

EDUCATION

University of Toronto

Sep 2022 - May 2026 (expected)

Honors Bachelor of Science Candidate (Co-op)

- **Specialization** - *Machine Learning & Data Science*, **Major** - *Math*, **Minor** - *Economic Studies*
- **Activities:** Data Science and Statistics Society, Campus ice hockey player, Google Developer Student Club