

Eric Lee

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EDUCATION

University of Toronto

Honours Bachelor of Science, Computer Science

Toronto, Ontario

Sep. 2024 - May. 2028

SKILLS

Programming Languages: Python, JavaScript, Java

Web & Databases: Flask, React.js, Next.js, Express.js, Socket.IO, HTML, CSS, Tailwind CSS, MongoDB, Flask-SQLAlchemy, Firebase, Linode

Developer Tools: Git, GitHub, Visual Studio Code, PyCharm, Ubuntu (Linux), Jira, Figma, Jupyter Notebook

APIs and Libraries: OpenAI, Matplotlib, Streamlit, Yfinance

EXPERIENCES

Data Scientist Intern

Dec. 2024 - Present

Iter Innovandi

Toronto, Ontario

- Working on the CONIQ team, an AI product focused on revolutionizing construction data analysis by leveraging advanced algorithms and machine learning to transform static building plans into actionable insights.
- Working on the hyperparameter optimization for a search system using **Python** to fine-tune parameters and improve retrieval accuracy.
- Consolidating and cleaning code across branches, and setting up tests to ensure quality and performance.
- Utilizing **Git** and **GitHub** for version control and **Jira** for progress management.

Web Developer

Oct. 2024 - Present

University of Toronto Computer Science Student Union (CSSU)

Toronto, Ontario

- Maintaining and updating the CSSU website using tools like **Next.js** and **Auth.js**.

Web Developer

Oct. 2024 - Present

University of Toronto Machine Intelligence Student Team (UTMIST)

Toronto, Ontario

- Working on the revamp of UTMIST's website using tools like **Next.js** and **React.js**.

Co-founder

May 2023 - Jun. 2024

Crystal Clear Window Washing

Fredericton, New Brunswick

- Served **over 50 clients**, achieving **\$10,000** in sales through high-quality cleaning services.
- Handled customer inquiries, sales, and scheduling appointments.

PROJECTS

ApocaLift (Apocalypse Hackathon, Shopify Toronto) | **Python, HTML, CSS, Flask, Flask-SQLAlchemy**

A product that lets users rent and remotely control drones and RC cars.

- Came up with the project idea and led development.
- Responsible for developing the entire front-end using **Flask Jinja2**, **HTML**, and **CSS**.
- Integrated **Raspberry Pi** and **Google Maps API** to display real-time vehicle video and map on the controller UI.
- Programmed back-end functionalities for user login, sign-ups, and general site features with **Flask** and **Python**.
- Built in **under 2 days** and won **8th** place out of 38 teams.

Blue Works | **Python, JavaScript, HTML, CSS, Flask, Flask-SQLAlchemy, Ubuntu**

A full-stack web application platform connecting homeowners with local trades businesses.

- Developed responsive front-end using **Flask Jinja2**, **HTML**, **CSS**, and **JavaScript**.
- Utilized **Flask-SQLAlchemy** ORM for **CRUD** operations and database management.
- Built back-end logic in **Python** and **Flask** for business profiles with user reviews, ratings, and portfolio features.
- Deployed and maintained application on **Linode** using **Ubuntu** server.

ChitChat | **Python, JavaScript, HTML, CSS, Flask, Flask-SQLAlchemy, Ubuntu, Socket.IO**

A dynamic, real-time chat platform with user registration, login, and profile updates.

- Built the front-end using **Flask Jinja2**, **HTML**, **CSS**, and **JavaScript**.
- Implemented back-end logic in **Python** and **Flask**, handling data processing, user sessions, and chat functionality.
- Integrated **Socket.IO** for real-time, bidirectional communication between clients and server.