





Edmond Li

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SKILLS

Languages Python, C/C++, Java, JavaScript, TypeScript, HTML/CSS, SQL, PostgreSQL
Frameworks React, Nest, Express, .NET, Redux, TailwindCSS, Flask, Keras, PyTorch, OpenCV
Technologies Git, Azure, AWS, Docker, Linux, NumPy, Pandas, Firebase, Google Cloud

EDUCATION

University of Waterloo – Honours Bachelor of Computer Science Sep 2022 – Present

Digital Hardware Specialization, Artificial Intelligence Specialization, and Pure Mathematics Minor

- **Courses:** Object-Oriented Software Development, Data Structures, Linear Algebra, Probability, and Statistics

EXPERIENCE

Software Engineer Intern May 2024 – Present

Gryd | Nest, React, React Native, .NET, Azure, MS SQL, PostgreSQL

Remote

- Migrated fullstack codebase to a modernized framework leading to a **400%** reduction in annual OER on cloud services
- Reformed existing ERD, leading to **40%** size reduction, and queries optimization leading to **400%** query performance
- Implemented a 2 layered CNN for client data sanitization and data categorization, decreasing onboarding workflow time by over **500%**

Software Engineer Intern Sep 2023 – Jan 2024

Chatsimple | React, Flask, Redux, Express, AWS, Docker, PostgreSQL

Waterloo, Canada

- Refactored legacy frontend, optimizing UI, and introducing responsive which drove a **250%** increase in MAU and **35%** decrease in churn rate.
- Implemented Retrieval-Augmented Generation (RAG) aided with few-shot prompting to generate leads and capture visitor information, increasing lead conversion rates by **40%** and enhancing data accuracy for business users
- Engineered a proxy microservice infrasture to manage sessions and connect chatbots to Meta communication platforms
- Spearheaded marketing strategies by integrating new email templates in Sendgrid, achieving a **300%** increase in MMR

Contract Tutor Jan 2023 – May 2024

Tutorax

Remote

- Enhanced communication abilities through clear, concise explanations of topics on Calculus, Linear Algebra, and Statistics

PROJECTS

BusBuddy  | Flask, React, Firebase, PostgreSQL, OpenCV Jan 2024

- Developed a fullstack app with computer vision used to track busses, ensure safety, and combating cases of children going astray
- Integrated real-time deep learning facial recognition AI to identify and track passengers trained with **2000+** datapoints, resulting in **94.5%** accuracy

OPTimism  | Flask, React, OpenAI API, Arduino, Google Cloud, Docker Aug 2023

- Developed smart glasses prototype to reduce myopia through gamified eye habits, with a fullstack app and microcontroller for real-time feedback
- Utilized multi-layered machine learning network to create a chatbot delivering research-backed eye health advice inferred from user data
- Gained over **3000+** visits over the first month of launch, whilst receiving investor offer from MiraclePlus (YC China)

EXTRACURRICULAR

VP Events and Internal Affairs – UW Google Student Developer Club Jan 2024 – Present

- Spearheaded panels with tech leaders such as NeetCode; hosting the biggest anticipated event with **300+** members

UW Computer Science Club – Chatbot Developer Jan 2024 – Present

- Maintained CSC's bot for **1000+** active users with **Typescript**, **Docker**, **Sapphire Framework**, and **Discord.js**

Full Stack Developer, Events Organizer – Tech+ UW Jan 2024 – Present

- Established a mentorship portal app, promoting DEI and connecting underrepresented communities towards a tech career
- Hosted workshops with **200+** attendees; aimed to create opportunities for underrepresented communities in tech