

# Edmond Li

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## SKILLS


Languages	Python, C, C++, Java, JavaScript, TypeScript, HTML, CSS, SQL, Postgres, R, LaTeX
Libraries/Frameworks	React, Redux, Next.js, Express.js, Tailwind CSS, Flask
Tools	Git, Docker, Linux, Bash, AWS, Firebase, Google Cloud, MS Office

## EDUCATION


**Bachelor of Computer Science** – University of Waterloo Sep. 2022 – Present  
Digital Hardware, AI Specialization and Pure Mathematics Minor

- **Courses:** Elementary Algorithm Design and Data Abstraction, Object-Oriented Development, Data Structures and Data Management
- **Honours:** 1A,1B, and 2A Term Distinction, Charles Trapp Entrance Scholarship


## WORK EXPERIENCE

**Chatsimple**  Sep. 2023 – Present  
Software Engineer Intern – React, Redux, Express.js, Flask, PostgreSQL, AWS Waterloo, ON

- Optimized and introduced responsiveness to legacy frontend using **React**, **Typescript**, **Redux**, and **Tailwind CSS** for client-oriented inquiries
- Engineered an end-to-end chatbot integration with Meta Platforms using **Socket.io**, **Express.js**, **Flask**, and **AWS** for customer retention, data extraction, and lead generation
- Optimized data transmission rate by reducing API calls by over **75%** and migrated data tables and aggregated endpoints to reduce waterfall by **200%**
- Drove customer satisfaction through email outreach and spearheaded marketing strategies that accrued to a **300%** increase in monthly recurring revenue



**Tutorax**  Jan. 2023 – Present  
Contract Tutor Waterloo, ON

- Instructed over **100+** hours with students on the fundamentals and concepts of calculus and differential equations to foster understanding and elevated their performance in their courses


**FRC 6135 Senior Programming Member**  – Java, WPilib Sep. 2020 – Sep. 2021

- Developed an autonomous pathfinding and grabbing mechanism with **Java** and **WPilib API**
- Managed version control, utilized object-oriented programming, and fostered team collaboration and management skills

## PROJECTS

**OPTimism**  – Hack the 6ix  Aug. 2023

- Gained over **3000+** unique interactions and developed a chatbot using **OpenAI's API**, specializing in visual disorders through training on scientific papers and publications
- Engineered a backend using Taipy and **Flask** and integrated a RESTful API for a **React** frontend architecture
- Designed smart glasses with **Arduino** microcontroller, gyroscope, and ultrasound sensors for real-time data transmission
- Leveraged **Google Cloud** and **Firebase** for robust user authentication and database management; integrated Circle API to facilitate cryptocurrency transactions for donations

**BusBuddy**  Jan. 2024

- Developed a responsive web application using **React**, **Typescript**, **AntD**, and **Tailwind CSS**
- Implemented **Firebase's NoSQL** and **Google Cloud** for robust database management and secure authentication for a child and bus scheduling system.
- Integrated **OpenCV** and **PostgreSQL** with a **Flask** backend to identify and verify bus passengers,

## EXTRACURRICULAR

- UW CS CodeyBot Developer
- UW Math Peer Mentor
- Embedded SWE Engineer for WARG
- Tech+ Logistics Organizer
- HackWestern Mentor
- UWDSC Member