


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



WORK EXPERIENCE


Chatsimple 	Sept. 2023 – Present
Software Engineer Intern – React, Redux, Express.js, Flask, PostgreSQL, AWS	Waterloo, ON
<ul style="list-style-type: none">Optimized and introduced responsiveness to legacy frontend using React, Typescript, Redux, and Tailwind CSS for client-oriented inquiriesEngineered an end-to-end chatbot integration with Meta Platforms using Socket.io, Express.js, Flask, and AWS for customer retention, data extraction, and lead generationOptimized 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
<ul style="list-style-type: none">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 	Sep. 2020 – Sep. 2021
<ul style="list-style-type: none">Developed an autonomous pathfinding and grabbing mechanism with Java and WPilib APIManaged version control, utilized object-oriented programming, and fostered team collaboration and management skills	

PROJECTS

OPTimism  – Hack the 6ix 	Aug. 2023
<ul style="list-style-type: none">Gained over 3000+ unique interactions and developed a chatbot using OpenAI's API, specializing in visual disorders through training on scientific papers and publicationsEngineered a backend using Taipy and Flask and integrated a RESTful API for a React frontend architectureDesigned smart glasses with Arduino microcontroller, gyroscope, and ultrasound sensors for real-time data transmissionLeveraged Google Cloud and Firebase for robust user authentication and database management; integrated Circle API to facilitate cryptocurrency transactions for donations	

BusBuddy 	Jan. 2024
<ul style="list-style-type: none">Developed a responsive web application using React, Typescript, AntD, and Tailwind CSSImplemented 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,	

EDUCATION

Bachelor of Computer Science – University of Waterloo	Sep. 2022 – Present
Digital Hardware, AI Specialization and Pure Mathematics Minor	
<ul style="list-style-type: none">Courses: Elementary Algorithm Design and Data Abstraction, Object-Oriented Development, Data Structures and Data ManagementHonours: 1A,1B, and 2A Term Distinction, Charles Trapp Entrance Scholarship	

EXTRACURRICULAR

<ul style="list-style-type: none">UW CS CodeyBot DeveloperTech+ Logistics Organizer	<ul style="list-style-type: none">UW Math Peer MentorHackWestern Mentor	<ul style="list-style-type: none">Embedded SWE Engineer for WARGUWDSC Member
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