Jason Li

jasonli2442@gmail.com ⋄ (587–973–9713)

github.com/Haisaru ⋄ lijason.ca ⋄ https://www.linkedin.com/in/lijasonli/

EDUCATION

University of Toronto   2019–2024
Honours Bachelor of Science
Mathematics Specialist and Computer Science Major

EXPERIENCE

Competitive Math and Programming Coach (C++, Python, Java)   July. 2024 – Current
LinkedKey

· Designed and authored tailored training materials to maximize student understanding and achievement
· Provided targeted knowledge and mentorship, leading to numerous top scores in regional and national contests

Backend Developer (TensorFlow, Pandas, GCP, Azure, scikit–learn)   Feb. 2024 – Apr. 2024
Arima

· Researched and developed improvements to core synthetic population generation and marketing algorithms
· Implemented GCP and Azure APIs to deploy improved machine learning models written in TensorFlow

High School Teaching Assistant (Java, C, C++, Python)   Sep. 2023 – Apr. 2024
TCDSB

· Led drop–in clinics addressing student challenges in topics such as math, computer science, and statistics
· Managed a credit recovery program which mentored students on their path to improve their failing grades

PROJECTS

1to1 Schedule Manager (Python, Django, AWS, React, Tailwind | Fullstack)
Cloud Based Scheduling Tool

· Developed a web app with a React frontend, enabling users to manage large meetings, deployed on AWS.
· Created RESTful API endpoints in Django to connect the frontend with a PostgreSQL database.
· Implemented a machine learning model to optimize suggested meeting times based on user feedback.

Balance AI (React, Javascript | Frontend)
AI Powered Education Platform

· Improved accessibility of website by following WCAG guidelines with WAI-ARIA and react specific tools
· Extended Firebase powered user management system by streamlining the password reset system

Deep Learning Improvements in Medical Imaging (PyTorch, Numpy | Research)
Machine Learning Research Paper

· Trained and verified various CNN models on the diagnosis of eye diseases to find the best base models
· Novel application of ensemble methods had a 3% improvement during test compared against benchmarks

SKILLS

Programming Languages	C, C++, Python, Java, PostgreSQL, Golang, HTML, CSS, JavaScript
Technologies	React, PyTorch, Django, Tailwind, Expo, Hugo, LaTeX
Build / DevOps Tools	Git, make, Docker, Firebase, Azure, GCP, AWS, PowerShell, Bash, Linux
Achievements	2023 Putnam Math Contest Top 1000 /