Eric Liu

eri.liu@mail.utoronto.ca | 647.809.4975 | github/eliu0412 | eliu0412.github.io/eric-liu/ | linkedin/eric-liu

Education

UNIVERSITY OF TORONTO   Graduation: May 2027
H.B.Sc. in Co-op Computer Science
GPA: 3.78/4.00

Projects

ANIDEX ⌗ | Google Cloud Platform, Firebase, Node, Express, React, Vertex AI
GenAI Genesis Hackathon
- Deployed a mobile app using Google Cloud Platform that aims to provide an educational experience for wildlife discovery, where users capture images of animals to build a digital collection similar to Pokemon
- Implemented Google's Vertex AI to classify animal images captured by the user, which also returns a set of descriptive qualities, providing insight into an animal's diet, habitat, and vulnerabilities
- Utilized Firebase and Node.js to create a back end that allows for seamless updates to user collections and wildlife data upon image capture of an animal

EXERTRACK ⌗ | React, TypeScript, Node, Express, MongoDB, Bootstrap
Personal Project
- Developed a website and a REST API enabling the addition and modification of exercise logs in real-time, enhancing usability as well as easy data retrieval and modification for users
- Leveraged Node, Express and MongoDB to create a robust back-end that can support a multi-user experience with separate sets of exercise data

HANDS-ON FLUENCY ⌗ | React, TensorFlow, OpenCV, Flask, SQLite
NewHacks Hackathon
- Implemented an ASL learning platform using OpenCV and TensorFlow's machine learning capabilities to interpret user hand signs in real time, enhancing learning with immediate feedback on sign accuracy
- Engineered a sophisticated user system with Flask and SQLite, enabling users to access personalized learning paths based on skill levels, tracking user progress and proficiency levels within the platform

FOCUS BOT ⌗ | Python, Discord API, Google Translate API, chemlib
Personal Project
- Programmed a Discord bot equipped with task management functionalities using the Discord API, allowing users to set and manage timed reminders, suitable for a school/study Discord environment
- Integrated a translation tool within text channels using the Google Translate API, facilitating easy communication and learning among multilingual users

Extracurriculars

GOOGLE DEVELOPER STUDENT CLUB | University of Toronto   Sep 2023 - Present
- Volunteered in networking events and tech talks, attracting attendances of up to 100 students per session, and helped secure speakers, facilitate discussions, and foster a vibrant academic community
- Helped coordinate tech literacy workshops for students enrolled in technical fields increasing club visibility and garnering recognition, leading to a 20% rise in membership

Skills

Languages: JavaScript, TypeScript, Python, Java, C, C++, SQL, HTML, CSS
Libraries/Frameworks: React.js, Node.js, Express.js, Flask, Tailwind.css, NumPy, TensorFlow
Technologies: Git, MongoDB, Google Cloud Platform, Firebase, Bash

Work Experience

METRO | Produce Associate   May 2023 - Present
- Enforced strict quality control protocols to maintain the highest standards for produce freshness and presentation, resulting in a noteworthy decrease in product returns and customer complaints