Eric Liu

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Education

UNIVERSITY OF TORONTO   Graduation: May 2028
H.B.Sc. in Co-op Computer Science
GPA: 3.78/4.00

Projects

HANDS-ON FLUENCY ⌗ | React, TensorFlow, OpenCV, Flask, MySQL
NewHacks
- 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 MySQL, enabling users to access personalized learning paths based on skill levels, tracking user progress and proficiency levels within the platform

EXERTRACK ⌗ | React, Node, Express, MongoDB, Bootstrap
Personal Project
- Developed a website 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

SPOTI-REC ⌗ | React, Flask, TensorFlow, Spotify API
DeltaHacks
- Created a music recommendation website using Flask and the Spotify API to fetch user playlist and listening data, enhancing the music search experience through tailored suggestions
- Implemented TensorFlow machine learning models to analyze user listening patterns, refining recommendations and increasing precision in delivering relevant song suggestions

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, increasing productivity in a school/study Discord environment
- Integrated a robust translation tool using the Google Translate API, enabling rapid translation between French and English within Discord channels, 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, SQL, HTML, CSS
Libraries/Frameworks: React, Node, Express, Flask, Bootstrap, NumPy, TensorFlow
Technologies: Git, MongoDB, Figma

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