Jesse Huang

1B Honours Computer Science
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Skills & Interests

Technical Skills: React, JavaScript, CSS, HTML, Node.js, Express, MongoDB, Java, Python, Flask
Soft Skills: Team Collaboration, Problem Solving, Interpersonal Communication
Languages: Fluent in Mandarin; Conversational Fluency in French
Interests: Digital Design, Web Development, Mobile Gaming, Skip Roping, Badminton

Work & Leadership Experience

Waterloo Aerial Robotics Group   2022-Present
Computer Vision Member
- Programmed model to classify various sets of images from CIFAR-10, utilizing Python, PyTorch, and various libraries, becoming member of Computer Vision.
- Assisting in optimizing path of drone, training model to ensure flight path remains within waypoints.

UW Orbital   2022-Present
Command & Data Handling Member
- Developing core software components in C using FreeRTOS Kernel, used to manage telemetry and system health data.

Team 7735 - FIRST Robotics Canada   2020-2022
Competitor, Coding Team Lead
- Collaborated with coding team members to develop robot using Java and FRC library, reaching the quarterfinals of Infinite Recharge 2020.
- Organized school-wide sponsorship campaign to fundraise and promote the student club, raising over $400 to register for Rapid React 2022.

Projects

Source code of projects available through links or GitHub above.

Credictor | React, CSS, JavaScript, Python, Flask   December 2022
github.com/jeessh/Credictor
- Developed and implemented user-friendly website in collaboration with 2 other students, predicting if user is eligible to apply for credit cards, given provided information.
- Integrated frontend and backend with REST API using Flask, allowing data communication between user form and model.

Troki | React, CSS, JavaScript, Node.js, Express, MongoDB   September 2021
devpost.com/software/troki
- Collaborated in team of 4 at HackTheNorth 2021, designing Uber clone web application using MERN stack, connecting clients and odd-job workers.
- Implemented Google Maps API to allow workers to locate job destination.
- Built login page frontend, integrating to backend system using Node.js and MongoDB.

Google Form Raffle | JavaScript, Apps Script   September 2021
github.com/jeessh/Google-Form-Raffle-Entries
- Programmed google form script using Apps Script platform for Student Council Club Fair, facilitating online raffle system for 800+ attendees.
- Extended to allow data communication between google forms and unlinked spreadsheets.

Education

University of Waterloo   Waterloo, ON
- Candidate for Honours Bachelor of Computer Science   September 2022–May 2027