

Jesse Huang

1B Honours Computer Science

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Skills & Interests

Languages: JavaScript/TypeScript, CSS, HTML, Java, Python, C/C++

Tools & Frameworks: React, Node.js, Express.js, MongoDB, Bash, Git

Soft Skills: Team Collaboration, Problem Solving, Interpersonal Communication

Interests: Web development, Jazz Music, Photography, Fitness

Relevant Experience

Waterloo Aerial Robotics Group

September 2022 – Present

Autonomy Member

- Programmed model to classify various sets of images from CIFAR-10, utilising Python, PyTorch, and various libraries, becoming member of Autonomy
- Assisting in optimising path of drone, training model to ensure flight path remains within pre-designated waypoints

Team 7735 - FIRST Robotics Canada

September 2019 – June 2022

Coding Team Lead, Competitor

- Reached the quarterfinals of Infinite Recharge 2020, collaborating with coding team members to develop robot using Java and FRC robotics library
- Raised over \$11,000 through a community-wide sponsorship campaign to compete at Rapid React 2022, exceeding the team's fundraising goals by 80%

Relevant Projects

FitBin | JavaScript, CSS, React, Node.js, Express.js, MongoDB

January 2023 - Present

github.com/jeessh/FitBin

- Initially designed and implemented user-friendly UI of fashion e-commerce website, including cart system and subscription to newsletter
- Further developed by turning project into MERN Stack website with login page
- Currently learning to implement Stripe API to process client transactions

Credictor | React, CSS, JavaScript, Python, Flask

December 2022

github.com/jeessh/Credictor

- Developed React front-end in collaboration with 2 other students, predicting if user is eligible to apply for credit cards, given provided information
- Integrated front-end and back-end with REST API using Flask, allowing data communication between client form and model

Troki | React, Node.js, Express.js, 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 back-end API to allow workers to locate job destination
- Integrated frontend to backend system using Node.js and Express.js

Education

University of Waterloo

September 2022 – May 2027

- Candidate for Honours Bachelor of Computer Science
- Awards: Hershel & Mary Anne Harris Entrance Scholarship, President's Scholarship of Distinction