

# Jesse Huang

1B Honours Computer Science

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## Skills & Interests

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

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

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### 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

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

February 2023

[github.com/jeessh/FitBin](https://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
- Implemented Stripe API to process client transactions

### Troki | React, Node.js, Express.js, MongoDB

September 2021

[devpost.com/software/troki](https://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

### The Continental Army | Lua, Blender, Photoshop

September 2020

[roblox.com/groups/5031513/ontinental-Army#!/about](https://roblox.com/groups/5031513/ontinental-Army#!/about)

- Designed and created the GFX of the Roblox group's games using Blender, increasing clickthrough rate for a cumulative 9.1 million visits
- Debugged the recruitment system of Bunker Hill, reducing in-game lag when players use the system

## Education

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### 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