





# Jesse Huang

2A Honours Computer Science

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## SKILLS

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**Languages:** JavaScript/TypeScript, HTML, CSS, GraphQL, C/C++, Python

**Frameworks:** React/React Native, Express.js, Django, Prisma, Flask

**Tools:** Node.js, Docker, Postman, Git, MongoDB, PostgreSQL

## EXPERIENCE

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**Front-End Developer** | *Wiz Robotics* Jan. 2024 – Present

- Implemented REST APIs for calendar booking system using Django and Express, allowing admin users to create recurring meetings with input users.
- Designed micro front-end architecture, scaling company client-side operations.

**Project Developer** | *UW Blueprint* Sep. 2023 – Present

- Built responsive web platform using TypeScript for Marillac Place, providing support for mothers facing homelessness.
- Developed Backend APIs using GraphQL, TypeScript, and Express to send and receive tasks for a given user.
- Implemented Firebase authentication for sign-up through email and login, with additional TypeScript to require accounts to be verified by a Marillac Place admin.

**IoT/Robotics Engineer** | *Wiz Robotics* May 2023 – Aug. 2023

- Developed company static website with JavaScript, HTML, and CSS, using SEO analytics to improve conversion rates for trial bookings by 37%.
- Managed team of 4 developers to build new React component library with 40+ different UI components designed for company platform.
- Built on-boarding material for future developers, intended to provide overview of active APIs, client-side, and server-side flow.

## PROJECTS

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**Art.IO** | *Next.js, TypeScript, Tailwind, PostgreSQL, Prisma* August 2023

- Developed web3 platform for ETHGlobal Waterloo 2023, providing collectors a stage to trade authentic NFTs.
- Implemented World Coin ID Authentication to verify users using unique retina-scans, associating ID with user profiles using Next.js.

**Credictor** | *React, JavaScript, CSS, Flask, Python* January 2023

- Programmed web application to predict if user, based on input information, is eligible to apply for a credit card.
- Built front-end UI with React and REST APIs using Flask, integrating backend ML model.

**Troki** | *React, Express, Node.js, MongoDB* September 2021

- Developed web application to connect workers and clients based on location and needs for Hack The North 2021.
- Designed and implemented responsive front-end using MERN stack, incorporating Google Maps Platform to retrieve job posting locations.

## EDUCATION

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**University of Waterloo** Sep. 2022 – Apr. 2027

*Candidate for Bachelor of Computer Science*

**Relevant Courses:** Object-Oriented Software Development, Intro. Data Structures & Algorithms

**Awards:** Hershel & Mary Anne Harris Entrance Scholarship, President's Scholarship of Distinction