

MATT HUANG

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SKILLS

Languages: C++, C, Java, Python, HTML/CSS, JavaScript, Racket, LaTeX

Frameworks/Libraries: React.js, Node.js, MediaPipe (AI object tracking API), Py-Tesseract OCR

Developer Tools: Visual Studio Code, Visual Studio, Bash, Eclipse, Git, Bootstrap

EXPERIENCE

Glenforest Secondary School

5/2020 - 6/2021

Computer Science Club President

Mississauga, Ontario

- Taught **algorithms** and **data structures** in **C++** and Java to **60+** students, **doubling** the number of top scorers from Glenforest in the Canadian Computing Competition
- Lead a team of **12** executives to create a YouTube advertising campaign bringing in over **110** members

Micro Instruments Inc.

7/2020 - 9/2020

Website Developer

Mississauga, Ontario

- Developed and designed **5** different web pages on M&I Instruments with Wix and **JavaScript**, registering over **3000** visits, and **20%** increase in web traffic leading to **\$10000** of revenue
- Managed M&I's dynamic database by adding, removing and sorting over **500 products**
- Implemented a customer price quoting form by designing the front-end and connecting it to a backend **relational database**, increasing communication speeds by 30%

PROJECTS

Endless Runner Game - "Hack the North" 2021

[\(GitHub Repo\)](#)

- Implemented the **MediaPipe AI-driven** object tracking **API** in **Python** to track player movement through their front camera with millisecond accuracy
- Augmented the API by calculating the user's distance away from the center of their camera and leveraged **Pygame** to convert this distance to object movement in-game

Streamlined Q&A App for Students and Teachers - "Hack it Better" 2020

[\(GitHub Repo\)](#)

- Built a platform that allowed students to submit questions via "tickets" and used **Node.js** to design a sorting algorithm that grouped questions based on their tags for easy teacher viewing
- Won **first place** at "Hack it Better"

Personal Website

[\(GitHub Repo\)](#)

- Built a fully responsive personal website using **React.JS router, hooks**, and **HTML/CSS**
- Used **state management** and **CSS media queries** to adapt the website to any screen size

ACHIEVEMENTS

Top 25% in Canada for CCC contest (Senior), coding **algorithms and data structures** in **C++**

2/2021

Top 10% among **500** students in the 2021 ECOO programming contest

4/2021

EDUCATION

University of Waterloo / Wilfrid Laurier University

Waterloo, Ontario

Bachelor of Computer Science / BBA Double Degree Co-op - 4.0 GPA

9/2021 - 4/2026

- Relevant Coursework: Calculus, Algebra, Algorithm Design, Adv. Functional Programming