

Matt Huang

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Skills

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

Frameworks/Libraries: React.js, Node.js, Tensorflow (Object Detection API), Py-Tesseract OCR

Developer Tools: Visual Studio Code, Visual Studio, Bash, Eclipse, Code::blocks

Education

University of Waterloo

Waterloo, Ontario

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

9/2021 - 4/2026

- Relevant Coursework: Calculus, Algebra, Advanced algorithm design, Advanced Functional Programming

Experience

Glenforest Computer Science Club President

5/2020 - 6/2021

Glenforest Secondary School

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 and collaborated with 12 executives to create YouTube advertising campaign bringing in over 110 members, the largest in the school

Website Developer

7/2020 - 9/2020

Micro Instruments Inc.

Mississauga, Ontario

- Developed and designed 5 different web pages on [M&I Instruments](#) with Wix and JavaScript
- Implemented an item catalog that has been visited over 1000 times and brought in a revenue of over \$10000
- Designed customer feedback price quoting forms using Wix Databases, improving customer communication speeds by 30%

Projects

Personal Website

12/2021 - Present

- Built a fully responsive personal website using React.JS router and hooks, HTML/CSS

iOS "WordHunt" Game Solver

12/2021 - 1/2022

- Used PyTesseract OCR to detect a grid of characters from user's phone
- Implemented a modified version of Depth-First-Search to find all English words from that grid of characters

Endless Runner Game with Tensorflow and JavaScript

9/2021 - 9/2021

- Implemented the Tensorflow object detection API in Python to track movement of players
- Leveraged Pygame to reflect these movements to object movement in-game