







Eddie Zhuang

Machine Learning Engineer

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EXPERIENCE

STUDENT COUNCIL TECHNOLOGY CHAIRPERSON

APR. 2022 - PRESENT

Pierre Elliott Trudeau High School, Markham, ON

- Collaborate with council members to organize school events for the student community
- Code the school website and announcement app using React and React Native

WEB DEVELOPER (CO-OP STUDENT)

FEB. 2022 - JUN. 2022

U+ Education, Markham, ON

- Designed and developed a web page promoting a Toastmasters club for clients using Figma and Wix
- Collaborated with an external organization to set up a Shopify store
- Communicated with and interviewed 26 people about their language learning experiences for a book
- Researched project management software and presented my findings to the web development team
- Adapted to an online work environment by communicating with my co-workers through Slack and Zoom

COMPUTER SCIENCE CLUB LEADER

JUN. 2020 - PRESENT

Pierre Elliott Trudeau High School, Markham, ON

- Research and teach computer science topics including Artificial Intelligence, Web Development, and Game Development
- Present lessons in front of up to 90 students
- Collaborate weekly with fellow executives to lead a club and plan lessons

PROJECTS

AIR HOCKEY AI | C#, UNITY ML-AGENTS

AUG. 2021 - SEPT. 2021

<https://github.com/EdZ543/Air-Hockey-AI>

- Designed and trained a machine learning model in a custom 3D environment
- Integrated the model into a game using the Unity Game Engine

PERSONAL WEBSITE | REACT, TAILWIND CSS, FIREBASE

NOV. 2021 - DEC. 2021

<https://www.eddiezhuang.com>

- A personal website and portfolio
- Designed and built from scratch using React/Next.js

AWARDS

2022	Certificate of Distinction	Euclid Math Contest
2021	Performance with Distinction	Canadian Open Mathematics Challenge
2021	Certificate of Distinction	Canadian Computing Competition
2021	Honour Roll	Waterloo Galois Math Contest
2019	First Place in Ontario	Ontario Skills Competition Technology Chal.
2017	First Place in Ontario	Ontario Skills Competition Technology Chal.

SKILLS

PROGRAMMING

Python • HTML • CSS •
JavaScript • C# • C++ • Java

LIBRARIES/Frameworks

TensorFlow • PyTorch •
React • React Native • Next.js
• Bootstrap

TOOLS/PLATFORMS

Jupyter Notebook • GitHub •
Firebase • Unity • Figma • Wix

CERTIFICATIONS

- Machine Learning by Stanford University
- Algorithms, Part I by Princeton University
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning by DeepLearning.AI

EDUCATION

PIERRE ELLIOTT TRUDEAU HIGH SCHOOL

Grade 12 | Sept. 2019 - Present |
Markham, Ontario

- Specialist High Skills Major in Information and Communications Technology