Eddie Zhuang

Full Stack Software Engineer

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EXPERIENCE

CLUB LEADER | COMPUTER SCIENCE CLUB

June 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

CLUB LEADER | MATHEMATICS CLUB

June 2021 – Present | Pierre Elliott Trudeau High School, Markham, ON

- ➔ Analyze mathematical problems to provide explanations to club members
- ➔ Cooperate with other club leaders to plan lessons and organize club events

CLUB LEADER | ROBOTICS CLUB

August 2021 – Present | Pierre Elliott Trudeau High School, Markham, ON

- ➔ Build hands-on skills to design and construct VEX robots
- ➔ Prepare lesson material concerning robotics programming and engineering concepts with other club leaders

PROJECTS

AIR HOCKEY AI | C#, UNITY ML-AGENTS

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, NEXT.JS, TAILWIND CSS, FIREBASE, VERCEL

https://www.eddiezhuang.com

- ➔ A personal website and blog
- ➔ Designed and built from scratch using React/Next.js
- ➔ Blog post views stored with Firebase

AWARDS

2021	Performance with Distinction	Canadian Open Mathematics Challenge
2021	Certificate of Distinction	Canadian Computing Competition
2021	Honour Roll	Waterloo Galois Math Contest
2020	Certificate of Distinction	Canadian Intermediate Math Contest
2019	First Place in Ontario	Ontario Skills Competition
2017	First Place in Ontario	Ontario Skills Competition

SKILLS

PROGRAMMING

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

LIBRARIES/FRAMEWORKS

Tensorflow • Pytorch • Node.js • React • Next.js • Tailwind CSS • Bootstrap

TOOLS/PLATFORMS

Unity • Firebase • Github • Heroku • Wordpress • Jupyter Notebook

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 11 | Sept 2019 - Present | Markham, Ontario

- ➔ Specialist High Skills Major in Information and Communications Technology
- ➔ Courses: Introduction to Computer Science, Introduction to Computer Programming

REFERENCES

Available upon request