Jaden Leung

⌂ Jaden's Website   ◯ Github   in LinkedIn   ✉ j28leung@uwaterloo.ca

EDUCATION

COMPUTER SCIENCE @ UNIVERSITY OF WATERLOO

Sep 2023 - Present | Waterloo, Ontario
Faculty Average: **96%**

QUALIFICATIONS

Languages: JavaScript, Python, HTML, CSS, Java, C, C++, C#, Latex
Frameworks/Tools: React, Express, Flask, P5.js, SQL, MongoDB, Git, Azure, WordPress, VS Code, Vim, Linux, Figma, OpenAI

PROJECTS

VIRTUAL-CUBE.NET | HTML, CSS, BOOTSTRAP, P5.JS, NODE.JS, SQL

2022 - 2024

- ➔ Created website featuring a virtual Rubik's cube where users can practice cubing, amassing 2000+ users
- ➔ Implemented an efficient auto-solver, fun challenge modes, and customizable cubes with different colors and dimensions
- ➔ Added JS webcam integration for a physical Rubik's cube scan + solve feature to teach solving techniques
- ➔ Added login system to save user data and user activity tracker using a Node backend

AI PLAYS CHESS | FLASK, C#, UNITY, GPT, GEMINI, MONGODB

July-Sep 2024

- ➔ Evaluated LLMs in their chess logistic and tactical skills; published analytics and results
- ➔ Created Flask API to query Gemini/GPT for best five chess moves and store statistical data in MongoDB
- ➔ Implemented chess simulation game with GPT, Gemini, the user, and the Stockfish chess engine as players

SYMPTOCARE | FLASK, GPT, HTML, CSS

Feb 2024

- ➔ Won the Best Overall Hack award at Boston University's 24-hour Tech for Change hackathon
- ➔ Implemented GPT integration on a disease search and diagnosis platform based on symptom data
- ➔ Collaborated with 3 UI and ML developers to create and present on functional Flask prototype

LEADERSHIP & VOLUNTEERING

LEXINGTON YOUTH STEAM TEAM | SOFTWARE DEVELOPER

Oct 2021 – June 2023 | Lexington, MA

- ➔ As a leader of 8-person team, organized and created website for a library science presentation using HTML, CSS, and Bootstrap, resulting in the highest turnout in any library presentation
- ➔ Led scavenger photo hunt project for our local library and built its website for players, boosting participation
- ➔ Made and presented web design tutorials in a town hackathon, inspiring students to help with library funding website

HIGHSCHOOLTUTORS.ORG TUTOR | SCRATCH/JAVA TUTOR

Sept 2020 – June 2023 | Lexington, MA

- ➔ Taught Scratch and Java to middle schooler, inspiring student to make own Connect 4 and Battleship games
- ➔ Designed core coding curriculum based on student's progress, mastered problem-making and presentation skills

AWARDS

2024	Azure Fundamentals and Azure AI Fundamentals certification
2024	Winner of Tech For Change: Civic Tech Hackathon 2024
2022, 2023	US Presidential Volunteer Award (Silver)