

Jaden Leung



Jaden's Website



GitHub



LinkedIn



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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, Docker, P5.js, SQL, MongoDB, Git, Azure, WordPress, Linux, Figma, OpenAI

PROJECTS

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

2022 - 2025

- Created website featuring a virtual Rubik's cube where users can practice cubing, amassing 6000+ 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
- Implemented Node websocket server to allow for a variety of multiplayer modes

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

UWATERLOO CS136 INSTRUCTIONAL SUPPORT ASSISTANT | C, BASH, PYTHON, REACT, FLASK, NODE.JS, DOCKER

Jan 2025 - Present | Waterloo, ON

- Led development of Codehoot, a C programming competition game, utilizing a Docker container with Flask backend to safely compile + distribute code, a websocket server, and a React frontend. Used in CS136's final review session.
- Created Python and Bash scripts to automate style + attendance grading, leading to consistent grading
- Assisted instructors in answering C-related questions from students, gave weekly presentations on course material

LEXINGTON YOUTH STEAM TEAM | HTML, CSS, BOOTSTRAP

Oct 2021 - June 2023 | Lexington, MA

- Won Presidential Volunteer Silver Award by contributing 500+ volunteer hours developing community software projects
- Made and presented web design tutorials in a town hackathon, inspiring students to help with library funding website

AWARDS

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