Jaden Leung

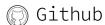🏠 Jaden's Website   ⬡ Github   in LinkedIn   ✉ j28leung@uwaterloo.ca

Projects

VIRTUAL-CUBE.NET | HTML, CSS, JS
2022 - Present

- → Created website allowing people to cube online; implemented the F2L algorithm for the cube to solve itself under 70 moves
- → Used the EasyCam and P5.js libraries to allow for virtual cube color, shape, and dimension customizations (1×3×3, 2×2×2, 2×3×3 cubes, etc.)
- → Used Javascript to allow webcam to copy physical cube position onto virtual cube position, implements algorithms helping users solve their physical Rubik's cube

SYMPTOCARE | Python, OpenAI, GPT
Feb 2024

- → Implemented GPT integration using OpenAI to give a second opinion on a disease search and diagnosis platform; won Best Overall Hack at TFC Hackathon 2024

Work Experience

J.W. HAYDEN RECREATION CENTRE | Group Leader
Sept 2021 – Present | Lexington, MA

- → Supervise 15+ K-5th graders, effectively collaborate with coworkers to ensure the safety of the children, resulting in being named Employee of the Month
- → Adapt to different ages and skills of children by leading appropriate sports and arts activities, designing new group games, and teaching how to solve Rubik's cube

Volunteering Experience

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, which boosted exhibition attendance
- → Made web design tutorials and presented them in a townwide hackathon, inspiring students to help with a library fundraising website

HIGHSCHOOLTUTORS.ORG TUTOR | Scratch/Java Tutor
Sept 2020 – June 2023 | Lexington, MA

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

Awards

2024	Winner of Tech For Change: Civic Tech Hackathon 2024
2022, 2023	US Presidential Volunteer Award (Silver)

Qualifications

PROGRAMMING

Java, JavaScript, HTML, CSS, C++, C, Python, C#, OpenAI, Latex, Visual Basic

TOOLS/PLATFORMS

Git, WordPress, VS Code, Vim, Linux, Figma

SOFT SKILLS

Excellent leadership experience gained through leading town's STEAM team and through childcare

Solid communication skills, willing to work with anyone

Education

UNIVERSITY OF WATERLOO
Computer Science
Faculty Average: **99%**
Sep 2023 - Present | Waterloo, Ontario

Relevant Courses

ELEMENTARY ALGORITHM DESIGN AND DATA ABSTRACTION
Learned algorithm design and analysis, information management, and programming mechanisms and methodologies

DESIGNING FUNCTIONAL PROGRAMS: 100%
Learned functional programming, abstraction, and recursion using Racket

FOUNDATIONS OF DATA SCIENCE, UMASS AMHERST PRE-COLLEGE
Used Python's Panda library and Matlab to perform data analysis