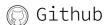
# Jaden Leung









#### **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 OpenAl 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**

Winner of Tech For Change: Civic Tech Hackathon 2024 2024

2022, 2023 US Presidential Volunteer Award (Silver)

# QUALIFICATIONS

#### **PROGRAMMING**

Java, HTML, CSS, JavaScript, React, C++, C, Python, C#, OpenAI, Latex

## 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 ABSTRAC-**TION

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 SCI-**ENCE, UMASS AMHERST PRE-**COLLEGE

Used Python's Panda library and Matlab to perform data analysis