Jeffrey Wong

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SKILLS

Programs: Python, C, C#, C++, JavaScript, TypeScript, Git, React.js, Next.js, Three.js, Node.js, SQLite, Tailwind CSS, MongoDB

EXPERIENCE

Web/Tech Executive | JAMHacks 9

Waterloo, ON | Aug 2024 - Present

- Organizing JAMHacks, the largest high school hackathon in Waterloo with 200+ attendees annually
- Frontend developer for JAMHacks 9 website using React.js, Next.js, Typescript, Framer Motion, and Tailwind CSS
- · Communicate with the marketing team and web/tech team to translate Figma design onto the website stored with GitHub

Program Assistant & Tutor | Kumon Canada

Oshawa, ON | Sep 2023 - Present

- Mentor and assist elementary to secondary school students in math and language
- Tutor mathematical concepts and word enunciations to assist children performing below a grade 1 level
- Input and interpret data to the database to track the academic progression of students based on performance on tests, demonstrating organization and analytical skills

Computer Imagery Generation Research Intern | UofT Research Exploration Opportunity

Toronto, ON | Mar 2024

- Shadowed a computer science professor and worked with graduate/PhD students at Dynamic Graphics Project
- Programmed and designed a planetary orbital simulator using Python to intersect programming with physics
- · Learned about human-computer interactions, computational imaging, computer graphics, and applications in the film industry

SHAD Fellow | SHAD Canada at Wilfrid Laurier University

Waterloo, ON | Jul 2023

- Designed "Easycura", a startup to help connect patients who need long-term care homes to a suitable home for their requirements
- Pitched our startup to entrepreneurs, investors, and professors—recognized with "The Most Dedication to Startup Process" award
- · Learned extensive knowledge through university lectures about computer science, entrepreneurship, and sciences

Durham Youth in Policing Co-op Student | Durham Regional Police

Whitby, ON | Nov 2022 - Mar 2023

- Developed valuable communication and interpersonal skills through workshops, volunteering, and listening to guest speakers
- Planned Youth in Policing's Basketball Tournament for Special Olympics with my team by discussing activities, location, and donation goals—the event included over 100 participants in the Durham region
- Collectively raised \$23000 for the Coldest Night of the Year fundraiser, setting new records for the YIP program

PROJECTS

Personal Portfolio

• Implemented 3D designed models from Blender using Three.js, React.js, Typescript, Framer Motion, and Tailwind CSS

PID (Proportional Integral Derivative) Controller

• Built PID controller made of laser-cut and 3D modelled parts to balance a cart, programmed with an Arduino in C++

DementAId

· Website application made in HTML, CSS, JavaScript, and Python to help people with dementia with a personalized AI chatbot

ACHIEVEMENTS/AWARDS

Waterloo CEMC Contests

Feb 2023 - Feb 2025

- CCC Senior School Champion, CSMC School Runnerup, Fermat Contest School Runnerup, Cayley Contest School Runnerup
- Distinction in Cayley Contest, top 25% of all test takers worldwide

Schulich Leader Nominee

Jan 2025

• Selected to represent MHSS's graduating class in the Schulich Leadership scholarship, based on academic excellence, STEM, and entrepreneurship

EDUCATION

Maxwell Heights Secondary School | Ontario Secondary School Diploma | Oshawa, ON

2021 - 2025

- 99% Average
- Activities: Student Council, Computer Science Club, Math Club, Chess Club, Reach For the Top, Relay for Life, Tennis Team

University of Waterloo | BaSc, Software Engineering | Waterloo, ON

2025 - 2030 (expected)