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)**