

# Jeffrey Wong

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## TECHNICAL SKILLS

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

## EXPERIENCE

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**Web/Tech Executive | JAMHacks 9** Waterloo, ON | Aug 2024 - Present

- Organizing JAMHacks, the largest high school hackathon in Canada 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 activities one-on-one
- Interpret and enter data to track students' progress, demonstrating strong 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
- Collaboratively planned a successful sporting event for 100+ participants by determining activities, location, team goals
- Collectively raised \$23,000 for the Coldest Night of the Year fundraiser, setting new records for the YIP program

## PROJECTS

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### 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

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**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 involvement, and entrepreneurship

## EDUCATION

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**Maxwell Heights Secondary School | Ontario Secondary School Diploma** Oshawa, ON | 2021 - 2025

- 99% Average (Relevant courses: Computer Science, Technological Design: Robotics)
- **Activities:** Student Council, Computer Science Club, Relay for Life, Math Club, Chess Club, Reach For the Top, Tennis Team

**University of Toronto | BAsC, Computer Engineering** Toronto, ON | 2025 - 2029 (Incoming)