

Louie Yin

Toronto, ON, CA | 647-581-5178 | l5yin@uwaterloo.ca | [linkedin.com/in/louieyin](https://www.linkedin.com/in/louieyin) | github.com/GarfieldFluffJr

EDUCATION

University of Waterloo

Bachelor of Software Engineering

- Varsity Swimming

Waterloo, ON, CA

Sept. 2024 – Apr 2029

Parkdale Collegiate Institute

International Baccalaureate Diploma + Ontario Secondary School Diploma

- Founder + President of Coding Club
- President of Announcements Team
- 150+ Hours of Community Service

Toronto, ON, CA

Sept. 2020 – Jun 2024

SKILLS

Technical Skills: Proficient in JavaScript, Python, C, HTML/CSS (Front-End), Version Control (Git)

Competencies: Organized, Communicative, Collaborative, Adaptable, Takes Initiative, Self-Motivated, Public Relations

EXPERIENCE

Lifeguard, Swim Instructor, and Wading Pool Attendant

City of Toronto

April 2022 – August 2024

Toronto, ON, CA

- Operate pools, regularly test chemicals, ensure patron safety, enforce city policies, establish good patron rapport
- Teach swim skills to patrons, provide critical, personalized and progressive feedback
- Maintain LSS Qualifications (National Lifeguard, Safety First-Aid, CPR-C), 25+ training hours annually
- Maintain Swim Instructor Qualifications (Swim Instructor, Lifeguard Instructor, Emergency First-Aid Instructor)

Mentor

University of Toronto

July 2022 – July 2022

Toronto, ON, CA

- Aided UofT students and professors in delivering engineering lectures and facilitating workshops
- Engaged with the children to ensure they had fun and learned new engineering skills

Math Contest Tutor

Feng Da Education

December 2020 – September 2021

Toronto, ON, CA

- Taught advanced, contest-level math concepts to 12-13 year olds
- Created personalized lessons and homework practice weekly to engage and motivate kids to learn more

PROJECTS

AI Cooking Assistant | *Python, JavaScript, HTML/CSS, Git*

December 2024

- LLaMa fine-tune LLM from scratch, 2+ million data points processed by OpenAI Batch API for recipe generation
- Fullstack application using Flask and Websocket, requesting and processing real-time user data asynchronously
- HTML, CSS, JS at the front-end for minimalistic UI with audio visualizer connected to user's speakers for virtual assistant audio output. Microphone access to allow conversation between virtual assistant and user
- TTS/STT functions built with RegEx, allowing assistant to adapt to user responses, facilitating conversation
- Raspberry Pi connected to temperature and gas sensors to collect real-time cooking data, designed with CAD
- Git was used for extensive version control to facilitate collaboration with other project-members asynchronously

Simple Paintball | *Spigot API, Java, Maven, TravisCI, Git*

May 2018 – May 2020

- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

HONOURS AND CERTIFICATIONS

- Governor General's Academic Medal of Canada (2024)
- Paris 2024 Olympic Swimming Trials Qualifier, Canadian Nationals Finalist, Provincial Silver Medalist (2024)
- RCM Piano Level 10 First-Class Honours + Level 7 and 8 Certificates with Distinction (2023)

REFERENCES

- Available upon request