

Harry Zhang

Computer Engineer

I'm a software developer with a desire to learn, looking for new opportunities to innovate and improve.

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EXPERIENCE

Web Developer

Don Mills C.I. Library

09/2017 – 06/2018

Toronto, Ontario

- Created ShedMgr, an online application that simplifies and increases the workflow of school librarians by digitizing how volunteer hours are tracked and awarded
- Made with MySQL, PHP, JS and utilizes asynchronous AJAX calls to the backend API to allow for lag-free transactions

Co-Leader

Don Mills C.I. VEX Robotics Team

10/2014 – 06/2018

Toronto, Ontario

- Overlooked the design process, construction, programming and funding of our school robotics team, bringing our school to the provincial competition for the first time in 3 years
- Designed, maintained, and created club website, giving our team an online presence for the first time ever and the ability to communicate with sponsors and parents

Cast Member

Cineplex Entertainment

06/2016 – 06/2018

Toronto, Ontario

- Operated a point of sale to serve guests with purchases and refunds, maintaining a 98% accuracy in transactions.
- Communicated with customers and co-workers to deliver a fast, smooth and welcoming guest experience by ensuring a 100% mystery shopper record.

AWARDS AND ACHIEVEMENTS

WorldSkills 2019 Team Canada Prospect

Selected as a candidate to represent Team Canada in the upcoming WorldSkills 2019 competition in Kazan, Russia for Web Development

Colonel Hugh Heasley Engineering Scholarship

Recipient of scholarship awarding outstanding students entering first-year studies in the Faculty of Engineering at the University of Waterloo

Gold Medalist - Skills Canada (2017 – 2018)

Two time Gold Medalist in Website Design and Development at the national level

Top Ranking Secondary Competitor - Skills Ontario (2017 – 2018)

Achieved the highest score in the Technology Sector across all secondary school competitors.

EDUCATION

Candidate for BASc Computer Engineering University of Waterloo

09/2018 – 04/2023

TECHNICAL SKILLS

Java

SQL

JavaScript

HTML/CSS

PHP

C/C++

Linux

Docker

Git

Unity3D

C#

PROJECTS

Continuum

Hack the North (2018)

- Continuum is a 2D puzzle game set in a 3D world, where the player can only ever move in two defined axis at a time
- Made with C#, Unity3D and HLSL, using back-face culling and cross-section rendering to only show one slice of the world at a time
- Recognized as Top 12 Finalists by panel of industry leading judges

Circular

MHack X (2017)

- Circular is an optical recognition software using OpenCV and Java that turns hand-drawn circuit components into electrical components for the computer to manipulate

LaFi

MasseyHacks III (2017)

- LaFi is a data transmission device built with C++ and a pair of Raspberry Pi's that rapidly blink lasers to transfer binary data over the air
- Finished 1st Place in Canada's largest high school hackathon

IdeaShare

Hack the North (2016)

- IdeaShare is an online platform for idea distribution made with TextRazor and Google Natural Language Processing API's
- Recognized as Top 12 Winners in Canada's largest hackathon

INTERESTS

Software Programming

Server Administration

Robotics and Control Systems

Web Development

Computer Systems Repair

Game Development