

Harry Zhang

Computer Engineer

I'm a software developer looking for new ways to design innovative and efficient solutions to .

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EXPERIENCE

Web Developer

Don Mills C.I. Library

09/2017 – 06/2018

Toronto, Ontario

- Created SchedMgr, 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 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 99% 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 Design and 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

Two time Gold Medalist in Web Design and Development, from Skills Canada 2018 in Edmonton and Skills Canada 2018 in Winnipeg

Top Ranking Secondary Competitor - Skills Ontario

Achieved the highest score in the Technology Sector across all secondary competitors in Canada's largest skilled trade and technology competition

EDUCATION

Candidate for BAsC Computer Engineering

University of Waterloo

09/2018 – 04/2023

PROGRAMMING KNOWLEDGE

JavaScript - 6 Years

PHP - 6 Years

HTML/CSS - 6 Years

SQL - 4 Years

Java - 4 Years

C# - 3 Years

C/C++ - 2 Years

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

TECHNICAL SKILLS/TOOLS

Linux

Docker

Git

Unity3D

Server Administration

Raspberry Pi