

Harry Li



<https://harryli.me>



Greater Toronto Area



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Skills

Programming Languages:

C# Java Dart Python C++ HTML

CSS Javascript

Frameworks:

Flutter Unity Selenium React

Integrated Development Environments:

Visual Studio Code Visual Studio 2022 Pycharm

Eclipse Jupyter Notebook CodeBlocks

Source Control:

Github Gitlabs TFS

Databases:

Firebase SQLDB

Others Technical Skills:

Word Excel Blender 3DModeling

Awards

2023-03 Best UI/UX
YRHacks, York Region District
School Board

2022-12 2nd place
hack::peel, Peel Region District
School Board

Objective

Dedicated software engineer passionate about driving efficiency, enhancing user experiences, and making a positive impact. Committed to continuous learning and staying at the forefront of emerging technologies. Seeking a challenging position to contribute expertise in software development, problem-solving, and innovation within a dynamic and collaborative team.

Portfolio Highlights

[ironworksrobotics.com](#)

Clubs Website

- Configured DNS and hosting on Firebase.
- Designed and coded the website in HTML, CSS, and JavaScript in one week.
- Attracted 2 sponsors and new members.
- Transitioned website responsibilities to future team.

CarpTo

Carpooling Mobile Application

- Led a team of 3 in the design and task delegation for the hackathon, hack::peel.
- Set up the mobile app backend, including authentication and database using Firebase.
- Managed and integrated team components through GitHub.
- Pitched technical aspects to hackathon judges.
- Secured 2nd place in the Hackathon.

Warfare Chaos

3D Tank Video Game

- Developed logic scripts for movement using C# in Unity3D.
- Utilized HDRP for post-processing effects.
- Designed a Raycasting system to position the camera accurately and determine the impact points of tank shots.
- Implemented automated tank enemies for an engaging gaming experience.

Experience

2023-09 - **Webmaster Associate**
Present **IEEE University of Toronto Branch**

- Developing a mobile app for events using Flutter & Firebase.
- Implementing image recognition for hardware identification through Machine Learning.

2023-06 2nd overall team
Toronto round, World Scholar's Cup

Education

2023-09 - **University of Toronto**
2027-05 Computer Engineering
(Co-op)
Toronto, Ontario, Canada

Scholarships

2023-09 Faculty of Applied Science & Engineering Scholarship
University of Toronto

2023-09 Edward S. Rogers Sr. Admission Scholarship
University of Toronto

2023-09 Broadridge Canada Scholarship
Broadridge Financial

2023-09 - **Webmaster**
Present **Interplanetary Space Exploration Team**,
University of Toronto

- Developing and maintaining the team's website using Bootstrap, HTML, CSS, and JavaScript.

2022-09 - **Club President**
2023-06 **Coding Club**, Alexander Mackenzie HS

- Managed 5 executive members and facilitated weekly presentations for 20+ members.
- Taught 4 programming languages: HTML, Python, C#, and Dart, with practical examples.

2022-09 - **Team Programming Lead**
2023-06 **FRC7690**, Alexander Mackenzie HS

- Mentored 25+ members in Java programming.
- Collaborated with cross-functional teams for effective robot programming.
- Achieved Regional Round qualification in the FIRST Robotics Competition.
- Created and managed the team website, attracting 2 new sponsors.

2020-12 - **Club Founder & Vice-President**
2023-06 **KeepEarth**, Alexander Mackenzie HS

- Automated marketing processes through web programming, increasing membership by 15+.
- Organized an art exhibition fundraiser, raising \$150 for Texas Winter Snowstorm Aid.

2021-01 - **Club Trainer**
2023-06 **World Scholars**, Alexander Mackenzie HS

- Instructed and facilitated discussions on World Scholar's Cup history topics for 15+ club members.
- Developed debating skills and syllabi, contributing to our school achieving a top-two ranking in the Toronto round.

2022-09 - **English & French Tutor**
2023-06 **Jefferson Community**

- Assisted Grade 5 students in English and French language development.
- Organized and conducted tailored tutoring sessions, closely monitoring progress.
