

Mahbod Sabbaghi

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EDUCATION

Computer Science, BCS, University of Waterloo
Business Administration, BBA, Wilfred Laurier University

Class of 2025
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EMPLOYMENT EXPERIENCE

Product Architect and Developer, Hatch Ltd.

Summer 2019

- Collaborated with an interdisciplinary team to develop the branding, user experience, and overall system architecture for a real-time asset management application for client companies.
- Presented the development strategy and system architecture to Hatch executives alongside an interactive demo developed in **React.JS** to show branding and user experience methodology.
- Suggested and implemented the design thinking methodology at every stage of development for our team to factor in the ethical and human needs of our software and led standups to ensure our work met our human-oriented design standards.
- Utilized **Azure DevOps** for project roadmaps and version control

Front-End Web Developer Intern, Molla Games

2018-2019

- Developed and tested a video-game storefront template and landing page to host 5 games using the **Hugo framework** and **Cygin environment**
- Remotely collaborated with the senior UI engineer for QA testing

PROJECTS & LEADERSHIP ACTIVITIES

Co-Founder, Chief Product Officer, GreenChefs

2019 – 2020

- Consulted with government officials and business owners within the dining industry to reduce food waste by developing an inventory management system for businesses and a consumer app for purchasing repurposed food plates from diners suggested by the smart inventory system.
- Developed business strategy, conducted market research using Porters 5 Forces and SWOT analysis, created enterprise and consumer user flow alongside an interactive demo using **AdobeXD**
- Received recognition from the McMaster faculty of engineering, won first place in Ontario for McMaster GRIT tank competition, with the team receiving a total of **\$16,000** to pursue the company in The Forge.
- Received a total of **\$1,750** in TU20 Cup run by Silicon Halton for technical and business innovation.

“MINUS” App

Summer 2020

- Created a mobile community-oriented carbon emission tracker using **Flutter** the **Google Maps API**, providing a way to offset travel emissions by connecting the tracked emissions to dollar figure to be donated for carbon offsets
- Leverage commuter data and **Google Activity Recognition API** to determine the form of transportation and emissions
- Placed first place in SET.Hacks for the overall winner and Responsible Consumption and Production UN SDG category

Hackathon Organizer and Technical Lead, PC Hacks

2018 – 2019

- Created sponsorship packages and organized partnership efforts with Major League Hacking and the University of Toronto to secure **20,000\$ in funding** and a venue for the largest high school led hackathon in Ontario.
- Led a team of **10 developers** and graphic artists to design and develop the hackathon website with a dashboard web-application for **400** international and domestic applicants.
- Our event received recognition from the federal government with a commendation from Prime Minister Justin Trudeau and MP Iqra Khalid.

3D Game Development Kit “Siren GDK”

2018-2019

- Developed a recasting graphics engine using **Java** and the **Processing3 framework**
- Implemented the graphics engine into a 2D map editor made in **Java** to extrapolate 2D images into 3D environments

“Project University” Open-Source Work Database

2017-2018

- Created a web platform to connect individuals who have little programming knowledge with student developers or for students to easily find open-source projects to contribute to, developed in **PHP, SQL, HTML, CSS, and JavaScript**

AWARDS

University of Waterloo Presidents Scholarship of Distinction: Given to students for demonstrating outstanding academic excellence in Highschool

1st place TU20 Pitch Comp: A case competition combining technical knowledge of machine learning and governance structures given by Deloitte.

1st place in Ontario, DECA: Developed an award-winning report, product demo, lean BMC, and pitch deck on a business solution to recycling contamination, qualified for **the International Career Development Conference** in Nashville, Tennessee

VEX Robotics Design Award: 1st place winner at VEX regionals for best documented and designed robot out of 30 teams.