JORDAN CHOW

jordanchow51@gmail.com
jordanchow.github.io/jordanchow
github.com/JordanChow
linkedin.com/in/jordanchow1

SKILLS

Languages — C#, Typescript, HTML, CSS, SQL, C++, Python

Technologies — ASP.NET Core, Angular, SQL Server, Entity Framework, Selenium WebDriver, Figma, Git

EDUCATION

Mechatronics Engineering
University of Waterloo (BASc)
Sep 2019 - Present

EXPERIENCE

Software Developer — PEER Group — Jan - Apr 2021

- Developed an automated file transfer utility with **.NET Core**, **Selenium WebDriver**, and **LiteDB**, utilizing a **REST API** and **HTTP** requests to increase workflow efficiency by **50%**
- Streamlined the vacation booking and viewing process by creating an absence calendar in **Angular**
- Led the development of a performance review feature, designing and implementing the database schema in **SQL Server**, generating functional requirements, and optimizing engines in **ASP.NET Core** following MVC

Quality Assurance Engineer — PEER Group — May - Aug 2020

- Successfully generated **200+ test cases**, **150+ verified bugs**, and maintained a CI/CD pipeline for an absence tracker application in an Agile work environment
- Programmed automated test scripts to improve regression testing and host-tool connectivity with PEER FACTORY Acceptance Tester software
- Built and performed test plans with **Microsoft Test Manager** for an automated document import tool, expediting project ramp up speed by **25%**

Mechanical Interior Designer — Midnight Sun Solar Car Team — Sep - Dec 2020

- Designed driver dashboard screens for the MS XIV car model to display real time data in **Figma**
- Led the research for steering wheel prototypes to optimize driver control and comfort, built in **SolidWorks**

PROJECTS

Autonomous Claw Machine — University of Waterloo

- Designed and built a mechanical claw machine, using 3D printed parts developed in **SolidWorks**
- Implemented object retrieval functionality based on colour sensor input, with proximity start up and a prize claim feature, programmed in **Robot C** with a success rate of **85%**

Healthy Bridge — Hack the North (API Prize Winner)

- Developed a web app with Clarifai's image recognition **REST API** and a Facebook data scrapper to scan a Facebook profile and detect early signs of mental health concerns in **Python**

FPS Golf — AdrenaLAN Hackathon

- Developed a mobile IOS game in **C#** with **Unity3D**, including three levels with conditional, tracking enemy AI, varying environmental assets, and a physics system for graphical objects