JORDAN CHOW

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SKILLS

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

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

EDUCATION

Mechatronics Engineering
University of Waterloo (BASc)
Sep 2019 - Apr 2024

EXPERIENCE

Software Developer — PEER Group — Jan - Apr 2021

- Developed an automated file transfer utility with **.NET Core**, **Selenium WebDriver**, and **LiteDB**, utilizing a file transfer **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**, leveraging Angular services, resolvers, Clarity Design System, and various front-end libraries
- Led the development of a new performance review feature, generating functional requirements, designing and implementing the database schema, and optimizing engines in **ASP.NET Core**

Quality Assurance Specialist — PEER Group — May - Aug 2020

- Successfully generated **200+ test cases**, **150+ verified bugs**, and maintained a CI/CD pipeline for an absence tracker application that was deployed company-wide
- Programmed automated test scripts using host simulation software to improve regression testing and host-tool connectivity, while complying with semi standard protocols
- Built and performed a test plan with **Microsoft Test Manager** for an automated document importing utility, expediting project ramp up speed by **25%**

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

- Designed driver dashboard screens in **Figma** to display real time data in a user friendly manner
- Researched and developed steering wheel prototypes in **SolidWorks** to optimize driver control and comfort

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, proximity start up with an ultrasonic sensor, and a prize claim feature with a touch sensor, 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 **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