

JORDAN CHOW

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SKILLS

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

Technologies — ASP.NET Core, .NET Core, Angular, SQL Server, Entity Framework, Azure DevOps, TFS, Selenium WebDriver, Figma, Agile, Scrum, Git

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%**
- 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**
- Streamlined internal absence booking, using a multi-client calendar in **Angular** released company-wide

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 to improve the absence viewing process for **200+ employees**
- Programmed automated test scripts to improve regression testing and host-tool connectivity with a graphical test designer, **reducing sprint iteration time by over 40 hours**
- 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](#) Dec 2019

- 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 Web App — [Hack the North \(API Prize Winner\)](#) Sep 2018

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

FPS Golf — [AdrenaLAN Hackathon](#) Aug 2018

- 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

EDUCATION

Mechatronics Engineering — [University of Waterloo \(BASc\)](#) Sep 2019 - Present

Relevant Courses: Algorithms and Data Structures, Computer Structures & Real-Time Systems, Microprocessors and Digital Logic, Digital Computation, Linear Algebra