KAYNE CHU

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Summary of Qualifications

- **Languages:** JavaScript, HTML, CSS, C++, Java
- **Technologies:** ReactJS, VueJS, VueX, ExpressJS, NodeJS, MongoDB, Jest
- Exceptional **Communication** and **Organization skills** from completing multiple tasks in a team of developers

Experiences

Junior Systems Admin / MCAP Mortgages – Waterloo, ON   Sept 2021 - Dec 2021

- Implemented code for a large-scale mortgage web application
- Worked in an **Agile** environment using **Github** and **Microsoft Azure DevOps**
- Demonstrated effective **time management skills** by handling multiple tasks and deadlines simultaneously
- Gained experience with test-driven development by developing unit tests for application modules with **Jest**

Process Engineer / BWX Technologies – Cambridge, ON   Jan 2021 – Apr 2021

- Gained **problem solving skills** through the development of a timing software using **Excel VBA** for data collection
- Acquired effective **communication skills** by completing detailed summaries for other engineers
- Demonstrated **professionalism** while working with engineers and tradesmen throughout the project

Projects

BrawlBuddies – Full Stack Web Application ⧉   Feb 2021 – June 2021

- Developed a website to display user stats and find other players in the same region with similar in-game rank
- Implemented **JSONWebToken** to encrypt and secure user information stored in a MongoDB database
- Used ExpressJS and ReactJS to retrieve and display player information from **REST API** calls

Workout Tracker – MERN Stack Application ⧉   Feb 2021 – Mar 2021

- Developed a web application to create, edit, and display workouts stored in a MongoDB database
- Used the **MERN** programming stack to handle POST and GET requests and create a front-end application

McMaster CAD Designathon   Jan 2021

- Collaborated with a team of students to develop a design for the interior of a hyperloop
- Revised designs to meet the given challenge objectives and required features
- Created and presented a 3D model of the hyperloop interior using **SolidWorks**

Waterloo Midnight Sun Design Team – Battery Module Supports   Sept 2020 – December 2020

- Designed supports for battery modules to prevent them from moving using **SolidWorks**
- Collaborated with team members to create a sketch which properly incorporates the required features
- Followed an iterative design process to meet constraints and criteria

Escape The Cave – Java Mobile Game ⧉   June 2020 – Aug 2020

- Developed a score-based mobile application that involves player interaction with a virtual character using knowledge in **Java** and **Android Studios**
- Worked through several iterations to fix issues that arose in the application

Education

Bachelor of Applied Sciences – Mechanical Engineering Co-op   2019-2024
University of Waterloo – Waterloo, ON