

HeYue Chen

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SUMMARY OF QUALIFICATIONS

- Languages: C/C++/C#, Nodejs, Bash Script, HTML & CSS
- Tools/Frameworks: Angular2+, AWS, Bootstrap, Docker, Express, Git, Mercurial, MongoDB, SQL, Unity3D
- Familiar with OOP designs and patterns
- Knowledge of common data structures and algorithms

WORK EXPERIENCE

University of Waterloo

Waterloo, ON

Undergraduate Research Assistant

January 2018 – Present

- Working on an Unity3D application for Microsoft HoloLens which implements different techniques for controlling cursor movements, and generates different kinds of targets users can click on, so data regarding efficiency and accuracy of each control scheme can be collected

Genesys Laboratories Canada

Markham, ON

Backend JavaScript Development Intern

September 2017 – December 2017

- Implemented features such as authorization token refresh, performance metrics, and CSRF for an Express server
- Worked on migrating an existing API from Java to Nodejs + Express
- Automated server load testing and development environment setup with bash scripts
- Implemented monitoring tools for displaying session information and server health

Index Exchange

North York, ON

Software Engineer Co-op

January 2017 – April 2017

- Worked in a team to build a Single Page Application from scratch with Angular 2
- Worked with Git, MongoDB, Docker, Karma, and Jasmine as a part of the development process
- Helped with adding features to an existing application built with Angular 1

PROJECTS

- Course Reminder, AWS + Nodejs for backend and Angular 4 for frontend, course-reminder.s3-website-us-east-1.amazonaws.com
 - Used AWS Lambda, DynamoDB and API Gateway to implement a serverless service that tracks the availability of courses that people want to enroll into in UWaterloo.
- CC3K, C++
 - A text-based dungeon crawler game. The game can read a pre-populated map or an empty map and randomly populated it with monsters and items
- Falling Fox Game, Unity 3D + C#, kiwi137.github.io/Falling%20Fox%20Game/index.html
- Snake Game, Phaser + JavaScript, polar-fortress-21777.herokuapp.com/