YUCHENG (MATTHEW) LIU

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SUMMARY OF QUALIFICATIONS

- Languages: C \ C++ \ C# \ Java \ HTML \ CSS \ XML \ Bash \ VBA \ Python \ Racket
- Tools: Unity, Oracle Apex, Angular, SQL and MS Access
- Operating Systems: Windows, Linux and MacOS
- Solid understanding of Object Oriented Programming, data structure and algorithm

EXPERIENCES

Application Developer at City of Toronto/Toronto Water   August – December 2017

- Document Control Application, which utilizes **MS Access, data modelling and SQL**. An independent project and it includes both **front end and back end development.**
- Task Tracker Application, which utilizes **Oracle Apex and JavaScript**. This application is developed in collaboration with co-workers.
- Debugging of existing applications on Oracle Apex platform
- System Requirement Analysis and Analysis Report for Staff Management System.

PROJECTS

2018 Global GameJam (C#, Unity)   January 2018
- Applied PC game architecture design skills. Designed AI for enemy characters.
- Utilized animation and Photoshop skills for character and enemy movements, death effects and sound effects.

2017 Global GameJam (C#, Unity)   January 2017
- Applied PC game architecture design skills, debugging techniques and optimized UX.

Personal Website Development   January 2017 - Present
- Built a web page using HTML/CSS/JavaScript. Android UI design on Android Studio

Minesweeper Game (C)
- Designed with C that allows users to make moves and check potential mines

AWARDS AND ACKNOWLEDGEMENTS

Mathematics UW Scholarship
- Students enter UW with an average of Math courses over 95, September 2016

University of Waterloo President's Scholarship of Distinction
- Students admitted to UW with an overall average over 95, September 2016