Yutong Li

3rd Year Combined Major in Computer Science and Statistics

778-927-5801 ytongli@student.ubc.ca Github.com/YutongLi291

# Technical Skills

## Languages

* Bash, C, C++, C#, CSS, HTML, Java, JavaScript, Kotlin, PHP, Python, R, SQL, XML

## Software | Frameworks

* Android Studio, CLion, Git, GitHub, IntelliJ, Jira, jQuery, JSON, JUnit, Jupyter, Linux, MATLAB, Microsoft Office, MySQL, PyCharm, Slack, Visual Studio Code, Xftp, Xshell, Kubernetes, Docker, CherryPy, Grafana, Prometheus.io, Nuget, .NET

# WORK

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| Software Development Intern | 2021 JAN – 2021 AUG |

Demonware

* Worked on internal projects on the Central Tools team
* Built a “crash dumpster” monitoring website interface allowing for quick access to viewing irregularities with game platform crashes. Written from scratch using CherryPy/Python, JavaScript, Docker, Kubernetes, Amazon S3, SQL, Prometheus and Grafana.
* Created a C# .NET crash reporter Nuget package to upload crashes to “dumpster”, allowing for development of tools in C# within the tools teams. Used GitLab continuous integration.
* Creating a C++ crash reporter tool which will upload core dumps to the “crash dumpster”.

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| Software Developer Intern | 2020 SEP – 2020 DEC |

Hypatia Systems

* Software developer intern at Hypatia Systems
* Successfully pushed out the production version of the Hypatia Microsoft Office add-in for non-IE browsers
* Worked on debugging and implementing features for the add-ons, built in JavaScript with jQuery, Semantic UI, and CSS.

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| Teaching Assistant | 2020 JUL – 2020 AUG |

The University of British Columbia, DSCI 100

* Worked as a team to answer student questions during lecture/tutorials
* Answered student piazza questions, marked assignments, held office hours, gave feedback on group projects, and led tutorials

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| Math/English Tutor | 2018 OCT – 2020 JAN |

Circle Point Education Academy

* Taught high school students one on one math and English course material
* Prepared quizzes and tests before each class

# projects

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| Relational Datingbase – a Dating App |  |  |

University of British Columbia - CPSC 304

* Web dating application built using PHP and MySQL, using CSS for styling in a relational database class as a team of three
* Created the photo and text feed, reaction ability, MySQL tables, complex SQL queries, as well as building a statistics page, adding miscellaneous features, and testing/debugging problems

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| GenkiVocab |  |

Personal Project

* Built with Android Studio Java, a dictionary of Japanese vocabulary words in the textbook “Genki”
* Includes common information about each word found, fetched from an online JSON database
* Implemented many structured functions related to the search algorithm

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| UBC Course Checker |  |

Personal Project

* Python console application that uses Twilio (an automated SMS service)
* User is prompted to enter a course URL they wish to enroll in, and the application checks the URL with a given frequency. Once a seat has opened, the user is automatically texted as a reminder.
* Utilized web scraping and exception catching for unstable internet connections.

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| “Helth” Game |  |

BC Game Jam 2020

* A side-scrolling game made in Android Studio Java and Kotlin, achieved 3rd most voted for game
* Worked on the music, hit-box physics functions, screen UI, and character attributes with libGDX
* Fixed technical bugs regarding the timer and start screen

# Education

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| University of British Columbia | 2018 SEP – 2023 APR |

Vancouver, BC, Canada

* Bachelor of Science, Combined Major in Computer Science and Statistics
* 4.00 GPA