

Yutong Li

3rd Year Combined Major in Computer Science and Statistics
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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

Software Development Intern

2021 JAN – 2021 AUG

Demonware

- Worked on internal projects on the Central Tools
- 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 central tools team. Used GitLab continuous integration.
- Creating a C++ crash reporter tool which will upload core dumps to the “crash dumpster”.

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
- Working on debugging and implementing features for the add-ons, built in JavaScript with jQuery, Semantic UI, and CSS.

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

Math/English Tutor

2018 OCT – 2020 JAN

T: 604.822.9677 | F: 604.822.9676 | science.coop@ubc.ca | www.sciencecoop.ubc.ca

Circle Point Education Academy

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

PROJECTS

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

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

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.

“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

University of British Columbia

2018 SEP – 2023 APR

Vancouver, BC, Canada

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