

# Yutong Li

3<sup>rd</sup> Year Combined Major in Computer Science and Statistics  
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## TECHNICAL SKILLS

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### 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

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## WORK

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### Software Development Intern

2021 JAN – 2021 AUG

#### *Demonware*

- Created an irregularity monitor interface for the Call of Duty crash database using CherryPy, JavaScript, MySQL, Kubernetes, Prometheus, and Grafana. Features included login authentication, daily database backups, as well as an editable configuration for irregularity thresholds.
- Created crash reporting nuget package to upload program crashes to the internal database using C# and GitLab CI.
- Changed C++ crash report from multi form uploading to CRUD uploading, preventing loss of data in a large upload. Allowed for manual uploading.
- Added option for UE4 crash reporter to upload any un-uploaded dumps on game startup.
- Created new Script Runtime Error crash platform, including a Kafka scraper, new website interface, as well as crash processor to analyze the errors, then uploading them to the crash database.

### 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.

## 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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## 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 3<sup>rd</sup> most voted for game
- Worked on the music, hit-box physics functions, screen UI, and character attributes with libGDX

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## 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