



# Doeun Kwon

Bachelor of Science in Mathematics, 4th year  
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## Technical Skills

**Programming Languages:** Python, Swift, C++, Java, Javascript, HTML/CSS  
**Software:** GitHub, JIRA, Xcode, MATLAB, Figma, Canva

## Work Experience

**Software Engineering Intern**, Later May - Aug 2022

- Wrote software for Later's iOS app alongside five other developers
- Implemented a specialized sign-up page for countries covered by GDPR
- Brought back Later's key product, Linkin.bio, to the iOS app

**Business Development Intern**, Highfly May - Aug 2021

- Sourced overseas pharmaceutical ingredients and finished products
- Proposed and initiated research for South Korea's CBD market
- Specialized research on efficacy of American pawpaw and hemp seed oil

## Technical Projects

**Bounce** Oct - Dec 2022

- Developed a schedule generating, or "day randomizing", iOS app in **Swift**
- Algorithm generates a full day itinerary based on user input in linear time
- Utilized **CoreData** and **CoreLocation** to personalize user experience
- Designed UI on **Figma** and optimized UI constraints for all iPhone models
- <https://github.com/doeunkwon/Bounce>

**Juggler** Nov - Dec 2021

- Wrote a cross-platform juggling game in **Java** for desktop
- Ball objects with custom attributes can be created, saved, and loaded
- GUI written in **Java Swing** and unit testing done with **JUnit**
- <https://github.com/doeunkwon/Juggler>

## Education

**Bachelor of Science**, Mathematics Sep 2020 - Apr 2024  
The University of British Columbia

Transferred out, Nanotechnology Engineering Sep 2019 - Apr 2020  
University of Waterloo

## Relevant Courses

Basic Algorithms and Data Structures, Intermediate Algorithm Design and Analysis, Software Construction, Introduction to Discrete Mathematics, Applied Linear Algebra, Matrix Algebra, Elementary Differential Equations II, Calculus IV, Mathematical Proof, Elementary Statistics for Applications