UBC Science Co-op

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

Doeun Kwon

Bachelor of Science in Mathematics, 4th year
www.doeun.me 778-847-4012 dekwooon@gmail.com

Skills

Languages Python, Swift, C++, Java, Javascript, HTML, CSS
Technologies React, NumPy, Pandas, SKlearn, UIKit, SwiftUI, Git

Experience

iOS Mobile Developer Intern, Later May - Aug 2023

- Scheduled to complete a 16-week internship with Later's iOS mobile team

iOS Mobile Developer Intern, Later May - Aug 2022

- Wrote software for Later's large-scale iOS app using Swift and Xcode
- Revived Linkin.bio and built a GDPR sign-up page for Later's iOS app
- Modified relevant information by writing to and reading from Later's API

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

Projects

Flash, nwHacks 2023 Jan 2023

- Built a tutor-matching platform exclusive to UBC students and tutors
- Developed frontend components using React.js and Tailwind CSS
- Used Postman to test API endpoints and hardcode data for the demo
- https://github.com/JoeDaBu/flash

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, The University of British Columbia Sep 2020 - Apr 2024
Mathematics major, UBC Science Co-op program, Work Learn program

Relevant Courses

- CPSC 213: Introduction to Computer Systems (software architecture, OS, I/O architectures)
- CPSC 320: Intermediate Algorithm Design and Analysis (greedy, divide and conquer, DP)
- CPSC 330: Applied Machine Learning (data cleaning, feature extraction, (un)supervised ML)
- MATH 307: Applied Linear Algebra (LU, QR, orthogonality, SVD, data fitting, PCA, PageRank)