



Semin Yoo

: Developer and UI/UX Designer

Contact

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Skills

Java

Python

React.js

Figma

Premiere

Language



English



Korean



Japanese

Interests



EDUCATION

University of California, Berkeley

2019 - Present

: Data Science

Data Structures | The Structure and Interpretation of Computer Programs | Linear Algebra & Differential Equations | Multivariable Calculus | Designing Information Devices and Systems | Foundations of Data Science

Sungkyunkwan University

2019

: Apparel and Textiles

PROJECTS

Blockchain @ Berkeley

UNICEF : Satchel Project

2021 - Present

< UI/UX >

Currently developing Satchel, a crowdfunding platform that banks underbanked communities that lack access to stable financial climates but have internet access.

(\$60,000 project co-funded by Compound and UNICEF)

Humanitarian Aid Project

2020 - 2021

< UI/UX >

Developed humanitarian-aid distribution platform, which allows direct-cash-transfer via ethereum.

TileWorld

2021

< Java, JavaScript >

Designed and implemented 2D-tile based world exploration engine. User can explore by walking around and interacting with objects in that world.

Gitlet

2020

< Java >

Implemented a version-control system that mimics some of the features of Git.

SAT Score Report Generator

2021

< Python >

Developed auto-grading + score-analysis report generator for SAT.

Deque

2020

< Java >

Implemented deque API (LinkedListDeque, ArrayListDeque) and used it to implement the Karplus-Strong algorithm to synthesize a guitar string sound.

WORK EXPERIENCE

Bahn & Bann Academy

2019 - Present

< Head of TA >

- Taught +250 students SAT. Over 80% of students fall within the score range of 1480 - 1600 out of 1600.
- Developed SAT Score Report System to eliminate monotonous work, reducing workload of TAs.
- Prepared class material - wrote a Guide to SAT Writing, made answer explanations for SAT Reading, designed review notebook