AS Albert Ilwon Seo

CONTACT

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SKILLS

Languages: Java (4/5), Python (4/5), MATLAB (2/5)
Web: HTML (3/5), CSS (3/5), JQuery (2/5), Javascript (1/5)
Software: Git (3/5), Vim (4/5), LaTeX (4/5)

LANGUAGES

Korean (Fluent), Japanese (Basic)

INTERESTS

Violin / Photography / Hamilton / Peanut Butter / Adele

EDUCATION

 # University of California, Berkeley (Berkeley, CA) Expected May 2020
B.A. Computer Science and Applied Mathematics
GPA: 3.76 | **Technical GPA**: 3.95

Courses: Data Structures (61B), *Machine Structures (61C), *Algorithms (170), Discrete Math (70), *Linear Algebra (110), Multivariable Calculus (53), Linear Algebra & Differential Equations (54), Web Design (198-56)
(* In Progress)

 # Henry M. Gunn High School (Palo Alto, CA) 2012-2016
GPA: 3.94, **ACT**: 35

WORK EXPERIENCE

 # Internal Drive Technology (Palo Alto, CA) June - Aug 2017
Game Design Instructor
- Instructed classes of 8 students in game development and Adobe Photoshop
- Created individual lesson plans, handouts and additional curriculum for students
- Assisted students in creating a complete adventure map each week in Minecraft

PROJECTS

 # Gitlet (Java) CS 61B Project
- Implemented a slim version control system that mimics Git's features
- Designed internal data structures and used Java's serializable interface

 # A Simple Database System (Java) CS 61B Project
- Built a basic version of a relational database management system (DBMS)
- Used a domain specific language similar to SQL to interact with stored tables

 # Qirkat (Java) CS 61B Project
- Created an AI to play a board game similar to checkers against a player or itself
- Implemented Alpha-Beta pruning to traverse game trees and find forced wins

 # Scheme (Python) CS 61A Project
- Developed an interpreter for a subset of Scheme language in Python

ORGANIZATIONS

 # Berkeley ANOVA Hackathon Team Aug 2017 - Present
- Planning a hackathon for 120 under-resourced high school students
- Facilitated sponsorship with event venue that reduced expected costs by 50%
- Lab-Assisted AP Comp. Sci. classes at under-resourced schools twice a week

 # Biofuels Technology Club Filtrations Team Aug 2016 - May 2017
- Designed procedures to filter waste cooking oil used in biofuel production
- Researched filtrations techniques and built a small-scale prototype for test runs