AS | Albert Ilwon Seo

CONTACT

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SKILLS

Languages: Python (4/5), C (3/5), Java (2/5)
Web: HTML&CSS (4/5), JavaScript (4/5), React (4/5)
Software: Git (4/5), Vim (5/5), LaTeX (4/5), GDB (4/5)

LANGUAGES

Korean (Fluent)

INTERESTS

Violin / Photography / Hamilton / Rock Climbing (Bouldering) / Mechanical Keyboards

EDUCATION

University of California, Berkeley (Berkeley, CA)   May 2020
B.A. Computer Science
GPA: 3.72 | Technical GPA: 3.75

Courses: Data Structures (61B), Algorithms (170), Operating Systems (162), Databases (186), Introduction to Machine Learning (189), Data Science (100), Security (161), Machine Structures (61C), Web Design (198)

WORK EXPERIENCE

Arista Networks (San Francisco, CA)   May – Aug 2019
Software Engineer Intern, CloudVision Team
• Created tools to easily import and export visualizations across network clusters
• Debugged & maintained middleware that connects to backend via websockets
• Streamlined CloudVision's web app UI/UX for creating network visualizations
• Created React components to display network data from CloudVision backend

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

PROJECTS

Pintos Operating System Extensions – C
• Extended the Pintos OS functionality from a bare-bones OS structure
• Implemented scheduling, user programs, syscalls, file system and its cache
• Drew up high level design documentation for each extension to the OS
• High emphasis on concurrency through threads and debugging large systems

Gitlet – Java
• Created a slim version control system that mimics Git's features
• Designed internal data structures and used Java's serializable interface
• Implemented 13 git commands such as merge, branch, global-log, status

One Night Ultimate Werewolf – React/Redux   Personal Project
• Designed a web application for a popular board game in React with Redux
• Used socket.io for real-time communication between clients and server
• Constructed React components and used Redux for state management

ORGANIZATIONS

Berkeley ANOVA Hackathon Team   Aug 2017 - Dec 2018
• Planned a hackathon for 80+ under-resourced high school students
• Facilitated sponsorship with event venue that reduced expected costs by 50%
• Assisted AP Comp. Sci. students at high schools near Oakland twice a week