Sooyeon Oh

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EDUCATION

University of California, Berkeley　　　　　　　　　　　　　Aug. 2019 – May 2023

B.A. Computer Science, GPA: 3.87/4.00

Coursework: Data Structures, Data Science, Web Design, Computer Architecture, Efficient Algorithms

EXPERIENCE

Software Engineering Intern　　　　　　　　　　　　　　　Jun. 2021 – Aug. 2021

Thermo Fisher Scientific　　　　　　　　　　　　　　　　　*Bothell, WA*

- Developed a cross-platform browser application using Blazor that connects a microscope camera to a server to perform live cell detection using deep learning
- Optimized image rendering speed by 4-5x by introducing JavaScript interop to the display process
- Presented proof of concept to the team about viability of using Blazor as a frontend framework

Computer Science Fellow　　　　　　　　　　　　　　　　Jun. 2021 – Aug. 2021

Edlyft　　　　　　　　　　　　　　　　　　　　　　　　*Berkeley, CA*

- Designed and led hour-long conceptual review and exam preparation sessions for UC Berkeley students taking Computer Architecture course
- Built frontend components such as modals, navigation bars, and buttons for student portal website
- Faced rigorous bi-weekly performance reviews and effectively incorporated critiques from team members

Academic Intern　　　　　　　　　　　　　　　　　　　Jan. 2021 – May 2021

UC Berkeley EECS Department　　　　　　　　　　　　　　*Berkeley, CA*

- Assisted in teaching 30+ undergraduate students data structures and object-oriented programming concepts
- Debugged student code and answered conceptual questions during lab sections; logged ~40 hours

PROJECTS

LiveTogether (HTML/CSS, JavaScript, ReactJS, MongoDB)

- Built a full-stack a web app that provides a centralized platform for housemates/roommates to communicate and reduce conflicts that stem from sharing a home
- Developed authentication logic, responsive dashboard, task assignment functionality, and grocery list building using data pulled from a recipe API

Dungeon Exploration Game (Java)

- Developed 2D tile-based game engine with randomly generating rooms and hallways
- Designed GUI elements and implemented a heads up display, keyboard input, and save/load feature

SKILLS

Languages: Python, Java, JavaScript, C#, HTML/CSS, C, SQL

Technologies: ReactJS, Blazor, MongoDB