Sooyeon Oh

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EDUCATION

University of California, Berkeley   August 2019 – May 2023

Berkeley, CA

- B.A. Computer Science, GPA: 3.87/4.00
- Coursework: Data Structures, Data Science, Web Design, Computer Architecture, Efficient Algorithms

EXPERIENCE

Product Engineering (Software Engineering) Intern   June 2021 – August 2021

Thermo Fisher Scientific

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

Computer Science Fellow   June 2021 – August 2021

Edlyft

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

Academic Intern   January 2021 – May 2021

UC Berkeley EECS Department

- Assisted in teaching a section of 30+ undergraduate students data structures and object-oriented programming concepts
- Debugged student code and answered conceptual questions during lab sections; logged over 39 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 feature using data pulled from a recipe API

Dungeon Exploration Game (Java)

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

SKILLS

Languages

- Proficient in Python, Java, JavaScript, C#, HTML/CSS; Familiar with C, SQL

Software Tools

- ReactJS, Blazor, MongoDB