Soonhyuck Hong

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Los Angeles, CA
(818) 669-3214
FULLY VACCINATED
(MODERNA)

EDUCATION

UC Berkeley — *B.S. Electrical Engineering and Computer Science*
AUGUST 2020

EXPERIENCE

Eway Learning Center, Los Angeles — *Academic Tutor*
APRIL 2022 - PRESENT

Provided academic assistance to high school students in Advanced Placement courses such as Physics, Chemistry, and Computer Science.

Lead Production Assistant, Los Angeles — *Freelance*
AUGUST 2021- MARCH 2022

Head the management and coordination of complex film and light technology. Support teams through the production of various music, dance, and short films, managing and assisting crew, actors, directors, and producers.

UC Berkeley Law School, Berkeley — *Media Services Team*
JAN 2018 - MAY 2020

Provided consultative advice and support to 50 faculty members on educational and media technology to help deliver and enhance teaching and learning.

PROJECTS

Cloth Simulator — *UC Berkeley*

Created a real-time C++ simulation of a cloth using numerical integration through a mass and spring-based system.
cal-cs184-student.github.io/p4-clothsim-su20-hongsoonhyuck

BearMaps — *UC Berkeley*

Designed the backend of a web mapping application that supported an autocomplete search feature, route mapping, and multiple zoom levels.

Interactive Game Guide Website — *Website*

Deployed a website using React, Javascript, and HTML to provide in-game statistics through a user-friendly table using Ploty.js.

Reinforcement Learning — *UC Berkeley*

Implemented value iteration and Q-learning Python agents that beat Pacman 90% of the time with 2000 training games

PROGRAMMING LANGUAGES

ADVANCED
Python

Java

PROFICIENT

React | JSX

CSS | HTML

C++

COURSEWORK

Efficient Algorithms and Intractable Problems

Artificial Intelligence

Database Systems

Data Structures

Computer Architecture (Machine Structures)

Computer Security

Computer Graphics

Structure and Interpretation of Computer Programs

Designing Information Devices and Systems

Discrete Mathematics and Probability Theorem