sunahhlee@berkeley.edu sunahhlee.github.io (714) 337-0234

SUN AH LEE

education

*in progress

UNIVERSITY OF CALIFORNIA, BERKELEY | class of 2021

Aug 2017 - present • Berkeley

Data Science, Computer Science • GPA: 3.41
Relevant coursework: Algorithms, Nonlinear and Discrete Optimization*, Al, Programming Fundamentals, Data Structures, Computer Architecture, Discrete Math, Probability for Data Science*, Linear Algebra, Human-Centered Design

o IRVINE HIGH SCHOOL (CA) | class of 2017 Honors Roll • Weighted GPA: 4.2 Sept 2013 - June 2017 • Irvine

projects

HOMEBUDDY: FULL-STACK WEB APP (REACT, NODE.JS, FIREBASE)

Feb 2019 - present • Berkeley

- With a 4-person team, build an app that pairs users with "home buddies" to walk home safely from campus
- On the front end team, develop the client-facing side using React, Google Maps API and HTML/CSS
- Create sign-up/sign-in functionality, fine-tune the buddy matching algorithm and design user-friendly interface
- SHAPE FROM STEREO (C, SIMD, OPENMP)

Sept - Oct 2018 • Berkeley

- Created a program that simulates depth perception by generating a depth map from stereo images
- Optimized performance and increased speedup by 6x using parallelism techniques
- BERKELEYPROJECT.ORG (PYTHON, HTML/CSS, JS)

Sept 2018 - present • Berkeley

- o Re-design and maintain website of UC Berkeley's largest student-run volunteer organization to improve user experience
- Develop a portal application for prospective committee members to streamline club application process
- BEARMAPS (JAVA, INTELLIJ)

April 2018 • Berkeley

- Programmed a web-mapping application that outputs shortest path distances within Berkeley area
- o Implemented rastering for correct tile selection and A* algorithm to generate shortest distance between two locations

experience

BERKELEY CODEOLOGY

Jan 2019 - present • Berkeley

Club Project Leader

- Lead a 4-week project for club members to learn how to build an online personal portfolio
- Designed lesson plans on relevant UI/UX topics and web development technologies, such as JS and HTML/CSS
- Work one-on-one with group of 6 students and receive mentorship from project managers to improve teaching process
- UC BERKELEY EECS DEPARTMENT

Aug 2018 - present • Berkeley

Academic Intern for CS 70

- o Assist students at office hours 3+ hours a week for discrete math and probability class with 800+ students
- Aim to help students think critically about content and assigned problem sets
- COMPUTER SCIENCE MENTORS (CSM)

Jan 2019 - present • Berkeley

Junior Mentor for CS 70

- o Teach 1-hour long sessions twice a week to group of 4 students
- o Reinforce content with the use of mini lectures and problem-based worksheets
- Help students strengthen foundations to better approach more difficult concepts and problems
- THE DAILY CALIFORNIAN

Aug 2017 - May 2018 • Berkeley

Layout Designer

- Served daily student-run newspaper with readership of 35,000+ students, faculty and residents
- Layouted text and imagery on pages and collaborated on monthly creative spreads using Adobe InDesign, Ps, Ai

skills

- LANGUAGES | Python, Java, C, HTML/CSS, JavaScript
 LIBRARIES & PROGRAMS | React, numpy, matplotlib, SQL, pandas, Tableau Adobe Creative Suite (Ps, Ai, Id, XD)
- INTERESTS | Front-end development, web applications, CS theory, teaching, UI/UX, photography