Brian Kim

(510)-725-1220   s3kim2018@berkeley.edu   2110 Haste Street Apt 210, Berkeley CA 94704
Personal Website: https://s3kim2018.github.io/BrianKim-Website/

Education

University of California Berkeley, Graduating in 2022
BA in Computer Science and Economics
Relevant Coursework Taken or Currently Taking:

CS 61A - Structure and Interpretation of Computer Programs   CS61C: Machine Structures

CS61B - Data Structures   CS9G: Intro to Java

CS70 - Discrete Math and Probability Theory   Stats131A: Intro to Statistics with R Studio

Work Experience

WEB DEVELOPER FOR BERKELEY'S DIVISION OF DIVERSITY – MARCH 2019 - PRESENT

- Supported the UC Berkeley diversity website in operational requirements
- Developed new navigation features with HTML/CSS

ACADEMIC INTERN WITH CS61A – JANUARY 2019 - PRESENT

- Helped 30+ students in python syntax, recursion, linked lists, trees, and generators
- In office hours, helped students with coding projects assigned in the class

UC BERKELEY CALL CENTER – MARCH 2019 - PRESENT

- Called UC Berkeley Alumnus for fundraising purposes
- Personally raised more than $3000 in fundraising by convincing Alumnus to give back

DAILY CALIFORNIAN PROJECTS DEVELOPER– SEPTEMBER 2019 - PRESENT

- Working on a data analysis/visualization project on Berkeley's water supply and the sustainability of it

JMK EDUCATION SAT TUTOR – DECEMBER 2018 - JULY 2018

- Taught SAT Math to high school students over the winter

Personal Projects

FEC CAMPAIGN CONTRIBUTIONS WEB MINING PROGRAM

- Using Beautiful Soup, mined data from the FEC campaign contribution records over many years
- Found Statistical evidence of increasing magnitude and frequency of contributions after 2009

SCHEME INTERPRETER

- Using python, built a scheme interpreter that compiles and runs scheme code in my python class

DERIVATIVE PROBLEM GENERATOR

- Built a math problem generator that produces unique equations that students can differentiate
- The Instructor is able to generate problems from a set of categories (product rule, chain rule…)

TABLUT

- Recreated a classic game of Tablut, a Nordic board game played before chess.
- Implemented an AI for both players white and black, using game trees
- Optimized runtime using alpha beta pruning

Skills

Experienced with: Python, Java, HTML/CSS
Familiar with: RStudio, Javascript, C++
Fluent in Data Structures, Front -End Software Development, Web development, and Data Analysis

Community Service

VOLUNTEER FOR THE CROSS INSURANCE CENTER CARRIER FAIR – JUNE 2016 - JUNE 2018

- Assisted carrier fairs over the years by handing out flyers and guided people to workshop stations

EASTERN MAINE MEDICAL CENTER ENSEMBLE – DECEMBER 2017 - JUNE 2018

- With a small group of my friends, played the violin for patients suffering from Alzheimer's

HABITAT FOR HUMANITY – DECEMBER 2017 - JUNE 2018

- Participated in fundraising activities such as running a bake sale and a car wash
- Took a trip to the Philippines to build portable houses for struggling communities

Extracurricular Activities

BERKELEY POLITICAL REVIEW – DECEMBER 2018 - JUNE 2019

- Worked for their tech team
- Worked on coding projects designed to prove political statements through data analysis

INTERN FOR THE RAMSAR EAST ASIA CENTER – JUNE 2017 - AUGUST 2017

- Translated documents from Korean to English
- Assisted with public events held to raise awareness and encourage the preservation of wetlands

STUDENT AMBASSADOR FOR MY HIGH SCHOOL – JUNE 2016 - JUNE 2018

- Reached out to potential applicants and met with them
- Lead school tours to interested applicants to the high school
- Organized and lead many student activities

STUDENT SENATE – JUNE 2016 - JUNE 2018

- Worked to pass bills for the school

BERKELEY OPINION – DECEMBER 2018 - JUNE 2019

- Developed videos, pictures, and logos to put up on the website with my team