SAJAL SHARMA

EDUCATION

University of California, Berkeley

Berkeley, CA   August 2017 – May 2021
GPA: 3.89
Bachelor of Arts in Computer Science
Bachelor of Arts in Economics

University High School

Irvine, CA   September 2013 – June 2017
Weighted GPA: 4.49
ACT Composite Score: 35 (out of 36)

EXPERIENCE

RoboBears at UC Berkeley

Web Developer   July 2018 – Present
- Overhauled the website for RoboBears to improve navigation
- Update the website with new developments, including projects and awards

IDE at UC Berkeley

Co-Founder, Vice President   February 2018 – Present
- Founded a UC Berkeley student organization that provides tools, resources, and guidance to teams of students seeking to build software engineering projects
- Designed and built a website for the organization with separate pages for projects, current members, prospective students, and sponsors
- Supervise finances through the ASUC to ensure the organization is well-funded

Berkeley Institute of Data Science

Undergraduate Researcher   September 2017 – May 2018
- Developed Jupyter Notebook extensions to help facilitate the discoverability and reuse of datasets for research, course modules, and assignments
- Created API packages that allow users to search for datasets by keywords and load resulting datasets into Jupyter Notebook

PROJECTS

DoEverythingBar

Cal Hacks 4.0   October 2017
- Designed a command interpreter for web browsers that allows general users to control everyday applications
- Integrated OAuth authentication to securely gain access to a user's account
- Added Skype and Google Suite functionality by using the Skype Call, Google Maps, and Google Calendar APIs
- Created using HTML, CSS, and JavaScript

The Finance Category Project

Hack Into It   September 2017
- Developed a mock-website that allows users to categorize spending habits, compare their habits with peers in the same demographics, and freeze spending on certain retailers

AWARDS

Best Web Application at Cal Hacks 4.0   October 2017
Cal Hacks 4.0 Finalist (top 6 among 216 team entries)   October 2017
Summa Cum Laude   May 2017
Commended National Merit Scholar   March 2017

CONTACT

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COURSEWORK

- Data Structures (Fall 2018)
- Principles and Techniques of Data Science (Fall 2018)
- Discrete Mathematics and Probability Theory
- Designing Information Devices and Systems
- Probability and Mathematical Statistics in Data Science

SKILLS

Programming

- Python 3.6 and beyond
- Java 8 and beyond
- HTML, CSS, and Bootstrap
- Intermediate SQL
- Intermediate Swift
- Familiar with Scheme

Languages

- Native proficiency in English
- Native proficiency in Hindi
- Limited Spanish

TEACHING

College of Engineering

Academic Intern
August 2018 – Present
- Tutor COMPSCI 70 students during office hours
- Clarify complex topics such as stable marriage, modular arithmetic, RSA encryption, computability, and probability

Laguna Hills Library

Technology Tutor
December 2011 – April 2013
- Taught Microsoft Office, Google Suite, email, and social media to senior citizens in weekly lessons
- Assisted students in operating computers, tablets, and phones