

SAJAL SHARMA

EDUCATION

University of California, Berkeley

Berkeley, CA

GPA: 3.89

Bachelor of Arts in Computer Science

Bachelor of Arts in Economics

August 2017 – May 2021

University High School

Irvine, CA

Weighted GPA: 4.49

ACT Composite Score: 35 (out of 36)

September 2013 – June 2017

EXPERIENCE

RoboBears at UC Berkeley

Web Developer

July 2018 – Present

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

SKILLS

Programming

- Python (NumPy/Pandas)
- Java (including JUnit/Graphics)
- HTML and CSS (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 students enrolled in COMPSCI 70 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