

EDUCATION

University of California, Berkeley

Class of 2021

Bachelor of Arts, Statistics - GPA: 3.92; 4.0 within major

SKILLS

Programming Languages: Python, R, SQL, LaTeX, Scheme

Data Software: Scikit-learn, pandas, seaborn, matplotlib, tidyverse, ggplot, Microsoft Excel, ArcGIS, QGIS, geopandas

Courses: Principles & Techniques of Data Science, Data, Inference, and Decisions, Concepts of Statistics, Concepts of Probability, Computing with Data, Linear Programming and Network Flows, Introduction to Time Series

PROJECT EXPERIENCE

Undergraduate Research Assistant

UC Berkeley Department of City Planning, Terner Center for Housing Innovation

Summer 2020 - Present

- Co-authored a policy brief promoting Senate Bill 1120, allowing for increased density in residential neighborhoods.
- Aggregating and joining datasets for a research project on the construction of accessory dwelling units in California.

UC Berkeley Transportation Sustainability Research Center

Spring 2020

- Performing data collection and analysis for a doctoral research project on e-commerce, transportation and COVID-19.

Sports Analytics Group at Berkeley

Vice President - Projects Division

Summer 2020 - Present

- Managing the club's projects division by recruiting members, interviewing applicants, overseeing the club's research and consulting projects, and formulating relationships with professors and members of the sports industry.

San Francisco Giants - Data Visualization

Fall - Winter 2019

- Leading a team of five students to help develop minor-league players through visualizing bat swing data.
- Organized meetings, divided work among group members, communicated results to the Giants.

Golden State Warriors - Player Projections

Winter - Spring 2018

- With a team of five students, analyzed college basketball players in order to find suitable draft prospects.
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WORK EXPERIENCE

Undergraduate Student Instructor

UC Berkeley Division of Data, Computing, and Society—Data 100

June 2020 - Present

- Preparing and executing lesson plans for discussion sections of 5-30 people for an advanced data science class.
- Creating and reviewing course content including exams, labs, homeworks, and discussion worksheets

Group Tutor

UC Berkeley Division of Data, Computing, and Society—Data 100

January - May 2020

- Teaching students of an advanced data science class through helping them in office hours and grading homework.

Facilities Student Assistant

UC Berkeley Intercollegiate Athletics Facility & Event Management

February 2018 - Present

- Maintained the general upkeep of athletic facilities by organizing team and fan spaces for scheduled events.

Office Staff and Gate Attendant

South Orange Community Pool and The Baird Community Center, South Orange, NJ

March 2015 - August 2019

- Enforced town policy by selling pool memberships, verifying documentation, and processing activity enrollment.
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PERSONAL PROJECTS

u/cbbBot

January 2017 - Present

- Developed a script in Python that automates the timely creation of college basketball game discussion threads to a Reddit community of over one million users. Popular threads attract well over 10,000 comments.