

Isaac Schmidt

ischmidt20@berkeley.edu

(862) 215-5372

ischmidt20.github.io

EDUCATION

University of California, Berkeley

Master of Arts, Statistics

Class of 2022

Bachelor of Arts, Statistics, with Minors in Data Science and City Planning

Class of 2021

- GPA: 3.93; Member of Phi Beta Kappa

SKILLS

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

Courses: Introduction to Machine Learning; Principles & Techniques of Data Science; Data, Inference, and Decisions;

Concepts of Statistics; Concepts of Probability; Stochastic Processes; Time Series; Algorithms for Data Science

PROJECT EXPERIENCE

Undergraduate Research Assistant

UC Berkeley Center for Community Innovation, Terner Center for Housing Innovation

Summer 2020 - Present

- Co-authored a policy brief promoting CA Senate Bill 1120, allowing for increased density in residential areas.
- Aggregating and analyzing large datasets (ZTRAX, Infogroup) for projects on housing and gentrification.

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 - Spring 2021

- 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 - Scouting Reports

Fall - Winter 2019

- Leading a team of five students to help develop minor-league players through visualizations of bat swing data.

Golden State Warriors - Basketball Analytics Internship

Winter - Spring 2018

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

WORK EXPERIENCE

UC Berkeley Division of Data, Computing, and Society—Data 100: Principles & Techniques of Data Science

Acting Instructor

June 2021 - August 2021

- Develop syllabus, present lectures, formulate policy, and manage staff for data science course of over 350 students.
- Instructor of record for upper-division course, teaching content in data cleaning, modelling, and machine learning.

Undergraduate Student Instructor

June 2020 - May 2021

- Prepared and executed lesson plans for discussion sections and labs of 5-30 students.
- Created and reviewed course content including exams, labs, homeworks, and discussion worksheets.

Group Tutor

January 2020 - May 2020

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

Student Assistant - UC Berkeley Intercollegiate Athletics Facility & Event Management

February 2018 - May 2021

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

Office Staff and Gate Attendant - The Baird Community Center, South Orange, NJ

March 2015 - August 2019

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

PERSONAL PROJECTS

u/cbbBot

January 2017 - Present

- Developed a Python script that automates the timely creation of college basketball game discussion Reddit threads.