

Isaac Schmidt

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EDUCATION

University of California, Berkeley

Master of Arts, Statistics, **GPA: 4.0**

Class of 2022

Bachelor of Arts, Statistics, with Minors in Data Science and City Planning, **GPA: 3.93**, Phi Beta Kappa

Class of 2021

WORK EXPERIENCE

CNA - Associate Research Analyst - Data Science Predictive Analytics

June 2022 -

UC Berkeley Division of Data, Computing, and Society

June 2020 - May 2022

Graduate Student Instructor - Data 102: Data, Inference, and Decisions; Stat 375: Teaching of Probability and Statistics

- Head TA and main point of contact for senior-level decision theory course of 275 students.
- Assisted the development of a new statistics pedagogy course taught to first-time student instructors.

Head Instructor - Data 100: Principles & Techniques of Data Science

- 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 - Data 100

- 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.
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PROJECT EXPERIENCE

UC Berkeley Center for Community Innovation

Graduate Student Researcher

Fall 2021 - Spring 2022

- Assisted the California housing department with quality control on the data it receives from hundreds of jurisdictions.
- Worked with a team to build a measure of displacement in the Salt Lake City metropolitan area, using BART models.

Undergraduate Research Assistant

Summer 2020 - Summer 2021

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

UC Berkeley Transportation Sustainability Research Center

Spring 2020

- Performed 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

- Managed the club's projects division by recruiting members, interviewed applicants, oversaw the club's research and consulting projects, and formulated relationships with professors and members of the sports industry.

San Francisco Giants - Scouting Reports

Fall - Winter 2019

- Led 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.
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PERSONAL PROJECTS

u/cbbBot

January 2017 - Present

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

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

Courses: Statistical Learning Theory; Machine Learning; Statistical Computing; Forecasting; Data, Inference, and Decisions; Linear Models; Stochastic Processes; Time Series; Algorithms for Data Science; Probability and Statistics at Advanced Level