

Isaac Schmidt

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EDUCATION

University of California, Berkeley

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

May 2022

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

August 2021

WORK EXPERIENCE

CNA Corporation - Research Analyst - Data Science Predictive Analytics

June 2022 - Present

- Support the mission of the United States Navy by providing rigorous data analysis across a wide suite of projects, primarily relating to platform readiness, budgeting processes, and force utilization.
- Collect and clean data, build statistical models and visualization tools, and present results to Navy senior leadership.

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 and Undergraduate Student Instructor - Data 100: Principles & Techniques of Data Science

- Instructor of record for a course of 300 students covering data cleaning, modeling, and machine learning.
 - Developed syllabus, prepared and presented lectures, formulated policy, and managed two dozen course staff.
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PROJECT EXPERIENCE

UC Berkeley Center for Community Innovation

Graduate Student Researcher, Undergraduate Research Assistant

Summer 2020 - 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.
- 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 - Undergraduate Research Assistant

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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AWARDS

FFRDC Research Communication Excellence Award - Shiny application for budgeting aircraft repairs

April 2023

Outstanding Graduate Student Instructor Award - Data 102: Data, Inference, and Decisions

Spring 2022

SKILLS

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

Techniques: Statistical inference and prediction, including probabilistic modeling, generalized linear models, and non-parametric methods. Optimization, including mixed-integer programming. Dashboarding, including Shiny, QLIK, Power BI.