

Joshua Weimer

STUDENT | DATA ANALYST

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Education

UCSD (University of California San Diego)

B.S. IN POLITICAL SCIENCE / DATA ANALYTICS

La Jolla, California

Expected - June 2022

- Courses - Machine Learning, Data Analytics of National Security, Business Analytics, Making Policy with Data, Econometrics

Work Experience

UCSD Data & GIS Lab

DATA AND GIS LAB ASSISTANT

La Jolla, CA

Dec 2021 - Present

- Assist patrons with statistical analysis and GIS software such as R, Python, Stata and ArcGIS
- Assist with GIS research projects related to the Lab as needed

UCSD Canyonview Aquatic Center

LIFEGUARD

La Jolla, CA

July 2019 - October 2021

- Rescued two active drowning victims
- Maintained Lifeguard, AED, CPR and First Aid certifications

Texas A&M University Observatory

INTERN

College Station, TX

May 2017- May 2018

- Operated 15" telescope in search for new minor planets and to improve orbital predictions for recently discovered minor planets
- Found astrometric solutions, processed images, and reported observations to the Minor Planet Society

Projects

Analyzing U.S. Occupation of Afghanistan

RESEARCHER, DATA ANALYST

- Utilized Synthetic Control Model in R to determine the effect of U.S. intervention of Afghan health outcomes
- Found that intervention resulted in higher infant mortality than synthetic control model
- Utilized data from World Bank API, Cross-National Time-Series (CNTS) Data Archive, U.N. Millennium Indicators

Stock and Cryptocurrency Price Forecasting

DATA SCIENTIST

- Built programs to predict movement of stock and cryptocurrency prices utilizing ARIMA and Prophet time series models
- Integrates Robinhood and Yahoo Finance APIs for data collection

Predicting Recidivism

DATA ANALYST

- Built Lasso, Ridge and Logistic regression machine learning models to predict recidivism based on past criminal history
- Correctly predicted future criminal activity with 68% accuracy

Extracurricular Activity

World Cube Association

COMPETITOR, COMPETITION ORGANIZER

- Organized competitions for the World Cube Association, a worldwide organization that regulates and holds competitions for the Rubik's Cube
- Achieved 11th in the world ranking for Rubik's Cube Blindfolded
- Started a YouTube channel to teach advanced techniques for solving Rubik's cubes blindfolded (90,000+ video views)

UCSD Triathlon

VICE PRESIDENT, MEMBER

San Diego, CA

September 2018 - May 2020

- Assisted in planning and hosting Tritonman (Elite Development, Collegiate, and Age-Group Triathlon) earning over \$30,000 in revenue
- Organized team practices, trips, and allocated team budget

Skills

PROGRAMMING LANGUAGES / SOFTWARE

- R, R Markdown, Python, Jupyter Notebooks, Excel, Git, Github