Josue Rodriguez

Data Scientist

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Davis, United States 📍

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Along with my expertise in statistics and machine learning, I bring a nuanced understanding of human behavior to the table. I excel in crafting data-driven solutions that tackle complex business challenges, particularly those tied to behavioral insights, and I'm also adept at collaborating with diverse teams and stakeholders - ensuring that my non-technical partners understand data science work. This combination ensures seamless collaboration, enhances product understanding, and drives impactful outcomes.

WORK EXPERIENCE

Data Scientist
McGraw Hill

03/2022 - Present   *Remote*

Helping build personalized learning experiences at scale.

Achievements/Tasks

- Led the end-to-end development and deployment of a Bayesian machine learning model to infer math ability for thousands of students over millions of events
- Conducted exploratory data analysis and simulation studies, and prepared datasets for modeling
- Coordinated with data engineers in the scaling of our data pipeline which resulted in a 10x decrease in our processing time
- Maintained collaboration with product managers and engineers to ensure data science worked aligned with business objectives

Doctoral Researcher
University of California, Davis

09/2019 - Present   *Davis, CA*

Responsibilities

- Led 5+ projects focused on developing complex statistical and machine learning models for people and organizational data
- Engaged in professional collaborations across the US and internationally, resulting in 5 academic publications
- Taught > 60 graduate students about statistics, machine learning, and data science programming for social-behavioral science
- Awarded Outstanding Graduate Student Teacher

Data Science Intern, Data and AI
IBM

06/2022 - 09/2022   *San Francisco, CA*

Responsibilities

- Worked on a cross-functional team of product managers and consultants where I used machine learning and causal inference techniques to help drive product decisions
- Helped develop the AI Fairness 360 R package
- Developed a questionnaire to better understand user experience

SKILLS

R | Python | SQL | Statistics | Machine Learning
Git | Data Viz | Writing | Communication
Causal Inference | Surveys | Experimental Design
Research | Storytelling | Data Engineering
Apache Spark | Docker | Apache Airflow

CERTIFICATES

Data Scientist with Python (05/2019)
DataCamp

Data Scientist with R (05/2018)
DataCamp

LANGUAGES

English
Native or Bilingual Proficiency

Spanish
Full Professional Proficiency

French
Limited Working Proficiency

EDUCATION

Quantitative Psychology, PhD
University of California, Davis

09/2019 - 06/2023   *Davis, CA*

Experimental Psychology, MA
Cal Poly Humboldt

08/2017 - 05/2019   *Arcata, CA*

Courses

- Minor in Statistics