Josue Rodriguez

Data Scientist, Quantitative Researcher

I pride myself on using my background in research and statistics to tailor principled and creative data solutions to unique business problems. I excel in collaborating with stakeholders across different levels and functions of an organization to improve and better understand exciting and meaningful products. In my off time my hobbies include: exercising, cooking, playing chess, spending time with loved ones, and writing R packages.

jerrodriguez@ucdavis.edu ✉

(925) 658-2924 📱

Davis, United States 📍

josue.rbind.io 🔳

linkedin.com/in/josue-e-rodriguez 🔗

WORK EXPERIENCE

Quantitative Researcher
University of California, Davis

09/2019 - Present   *Davis, CA*

Responsibilities

- Led all aspects of 4+ large-scale projects focused on developing complex statistical models and Bayesian methods and developed the core analytics for 9+ projects
- Engaged in professional collaborations across the US and internationally, resulting in 5 academic publications
- Authored 6 R packages on CRAN
- Taught > 60 graduate students about statistics, machine learning, and data science programming
- Awarded Outstanding Graduate Student Teacher

Data Science Intern, Data and AI
IBM

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

Responsibilities

- Helped develop the AI Fairness 360 R package and created a vignette demonstrating its functionality
- Worked on a cross-functional team of product managers and strategy consultants where I developed a Python analytics pipeline for one of IBM's Data and AI products
- Contributed to product strategy by delivering actionable insights using Bayesian statistics and predictive models
- Developed a questionnaire and an unstructured interview format to obtain data regarding product experience

Data Science Intern
Spacee, Inc.

09/2021 - 12/2021   *Dallas, TX*

Spacee leverages computer vision to empower orgs with near-real-time actionable insights for managing inventory and interactive consumer behavior.

Responsibilities

- Developed an unsupervised machine learning model to help bring functionality to a remote sensing application
- Conducted exploratory data analysis around key company products and metrics
- Conducted field research concerning the company's operational envelope
- Implemented Python code into a core Airflow pipeline that addressed a deficit in the ETL process

SKILLS

R Python SQL Statistics Machine Learning

Git Data Viz Writing Communication

Surveys Experimental Design Research

Storytelling Data Engineering 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 - Present   *Davis, CA*

Experimental Psychology, MA
Cal Poly Humboldt

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

Courses

- Minor in Statistics