

Yrian Derreumaux

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Education

University of California, Riverside

Riverside, CA

Doctor of Philosophy in Psychology

May 2023

- Dissertation Year Scholarship, Cumulative GPA 3.9/4
- Relevant Coursework: Multilevel Modeling, Inferential Statistics, SEM, Longitudinal

San Francisco State University

San Francisco, CA

Bachelor of Arts in Psychology

June 2018

- Cum Laude with Honors, Cumulative GPA 3.89/4, Deans list (2017, 2018)

Experience

Getzesty.app

Remote

Co-Founder & Data Scientist

Jan 2021–Present (20 hours/week)

- Utilized data-driven insights for marketing optimization, ad effectiveness, audience segmentation, and growth identification, supporting overall business strategy
- Implemented collaborative filtering system using TensorFlow and TFX for personalized recipe recommendations, increasing user retention rates by 30%
- Analyzed key usability metrics on Google Cloud Platform and conducted A/B testing to optimize website functionality and user experience, leading to a 20% improvement in user engagement
- Trained large language models and conducted prompt engineering for AI-generated recipe creation, enhancing content offering by 50%

University of California, Riverside

Riverside, CA

Doctoral Researcher & Teaching Assistant

Aug 2018–Present (20 hours/week)

- Led 20+ research projects using experimental, qualitative, and survey-based methodologies; published four first-author articles in top-tier journals
- Applied advanced statistical (GLM, MLMs, longitudinal) and machine learning (clustering, sentiment analysis, PCA, k-means) techniques to analyze large datasets
- Developed and delivered lectures on research methodologies, inferential statistics, and machine learning using R markdown to undergraduate and graduate students, reaching over 100 students annually

San Francisco State University

San Francisco, CA

Lab Manager

Aug 2017 – June 2018 (40 hours/week)

- Developed training program for a team of 12 research assistants, resulting in enhanced productivity and quality in data analysis and visualization tasks
- Established and streamlined systems and processes for executing experiments, gathering data, and overseeing research projects using Python, R, and SQL, improving project completion rate by 25%

Skills

Programming: Expert in R (dplyr, ggplot2), Python (NumPy, Pandas, Matplotlib, Seaborn, Plotly, TensorFlow, Keras), and SQL; Experience with Hadoop and Spark

Data Analysis: Advanced in GLM, MLM, SEM, Drift Diffusion, Bayesian Modeling, Time Series

Machine Learning: Proficient in NLP techniques and tools, Deep Learning, Decision Trees, Random Forests; Large Language Models