

WILLIAM MCCORMACK

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EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, CA

BACHELOR OF SCIENCE IN STATISTICS AND DATA SCIENCE

Expected March 2026

Minor in Data Science Engineering

GPA: 3.8 / 4.0

Relevant Coursework: Data Mining, Regression & Data Analysis, Data Structures & Algorithms, Mathematical Statistics

SKILLS

Technical Tools: R (tidyverse), Python (pandas, NLTK, PyTorch, bs4, Selenium), C++, SQL, Tableau, Power BI, Excel, Word, Apollo.io, FlutterFlow, Figma, Google Cloud Platform

Professional Skills: Predictive Modeling, Data Integrity, Data Quality Control, Data Analysis, Data Visualization, Data Privacy and Compliance, Web Scraping, Project & Workflow: Grant Writing, Workflow Optimization, Communication

EXPERIENCE

Hacker Fund

Venice, CA

DATA RESEARCH INTERN

August 2024 - Present

- Conduct in-depth research and analysis of government databases and regulatory information to assess grant readiness, ensuring alignment with eligibility criteria and identifying funding opportunities for 10+ clients
- Utilize custom large language models (LLMs) to generate government grant language for Hacker Fund's fundraising team for 7 grant proposals in Southern California
- Streamline tax-exempt fund solicitation efforts, including securing major gifts, corporate sponsorships, and private foundation grants worth up to \$500,000

Olami

Los Angeles, CA (Virtual)

DATA SCIENCE INTERN

January 2023 - December 2023

- Developed a Python-based framework for unsupervised sentiment analysis and bias detection on 30+ North American universities, leveraging NLTK and HuggingFace models for sentiment computation
- Curated a dataset of 30+ student newspapers using bs4, Selenium to scrape complex archive sites
- Performed sentiment analysis on 23,000+ articles, analyzing political and control keywords to reveal bias trends
- Mentored 2 interns in data collection, sentiment analysis, and bias detection techniques

COLLEGIATE ENGAGEMENT

- LA Hacks Organizer Club - Sponsorship Team - Coordinating over \$150,000 of funding by spearheading an alumni major gifts campaign, applying to 8+ grants, and networking with 15+ corporate sponsors to meet fundraising goal for LA Hacks 2025 Hackathon
- Zeta Beta Tau Fraternity - Vice President - EVP (2025), IVP (2024), Alumni Chair

PROJECTS

Automated Reporting System for Fundraising - Hacker Fund

Venice, CA

Python, Tableau

October 2024

- Developed an automated reporting system using Python and Tableau to streamline analysis and visualization of fundraising data, integrating datasets from multiple sources for accuracy
- Created interactive Tableau dashboards, reducing manual reporting efforts by 40-50% and enabling stakeholders to track fundraising progress and identify optimization opportunities in real-time

Predicting Amazon Purchasing Trends Via Demographic Analysis

Los Angeles, CA

R (tidyverse, dplyr, ggplot2)

August 2024

- Conducted regression analysis to predict state-level monthly Amazon order totals using purchasing data
- Cleaned and aggregated large datasets, engineered features, and visualized trends to interpret key predictors of log-transformed order totals (RMSE = .0162)

Stud Buds: A Peer Tutoring Social Networking App Prototype

Los Angeles, CA

FlutterFlow, Figma, Firebase

April 2024

- Collaborated with 3 peer innovators to build a campus peer tutoring app prototype with features for user registration, location tracking, intelligent matching, and real-time messaging
- Designed 16 intuitive front-end screens, focusing on user-friendly navigation and feature interaction