

Justin Mai

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EDUCATION

Cal Poly San Luis Obispo

Bachelors of Science in Statistics

Expected Graduation June, 2026

San Luis Obispo, CA

- Coursework: R, Probability, Machine Learning, Linear Algebra, Data Structures, Object Oriented Programming
- Minor in Data Science, member of the statistics club

WORK EXPERIENCE

Quantitative Sports Analyst

Independant

July 2024 – Present

Remote

- Achieved a net profit of \$22K gradually mainly by using regression analysis, and models in R to discover an inverse relation in QB completion percentages and corresponding WR target(s) betting props.
- Developed and applied regression models to analyze betting markets, and identifying edges that were profitable.
- Employed techniques in R and Python including machine learning and quantitative risk management to drive decision-making processes.
- Demonstrated strong analytical, and risk management skills in a dynamic, competitive financial environment.

Cal Poly Campus Dining

Lead Cashier and Trainer

December 2023 – June 2024

San Luis Obispo, CA

- As an employee, I oversaw the training and improvement of 3 new employees during my time in Campus Dining, and I was mainly on the register at all times, helping me grow and develop my communication skills with my co-workers, and strangers, in the fast paced food service environment.

PROJECTS

- **Datafest 2024:** Used R and Python to present and develop a similarity metric for students using Coursekate textbooks, creating a performance matrix and using cosine similarity to measure the alignment of students.
- **Census Visualizer:** Created an R Shiny app to visualize up-to-date population and income growth using data from the Census API. Users can select data types, counties, races, and year ranges to generate dynamic plots and animated GIFs. The app provides customizable settings for enhanced data presentation and analysis."
- **SAS program:** Created a SAS program to generate animated GIFs from datasets, primarily using Gapminder data. It visualizes time-series data with scatterplots and animations, making trends and changes over time easy to understand.
- **Eagle Scout Project:** Organized a campaign to collect and deliver gift baskets to healthcare workers during the pandemic. Coordinated donations of food, personal care items, and thank-you notes from local businesses and community members.

VOLUNTEERING Walnut Grove Middle School

Oct 2020 – June 2022

- Helped lower income kids graduate from middle school.
- Worked and led a team of tutors to develop children's education of mathematics and english.

CERTIFICATIONS, SKILLS & INTERESTS

- **Technologies:** Python, R, SQL, Java, SAS
- **Tools and Libraries:** Github, tidyverse, scikit-learn, Jupyter Notebook/Collab, Excel
- **Interests:** Climbing, Snowboarding, Video Games, Camping, Making weird food combinations.