Justin Mai

Justinmai042@gmail.com ❖ (626) 271-7071 ❖ San Luis Obipso, CA ❖ [Personal Website](#)

EDUCATION

Cal Poly San Luis Obispo   **Expected Graduation June, 2026**
Bachelors of Science in Statistics   *San Luis Obispo, CA*

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

WORK EXPERIENCE

Quantitative Sports Analyst   **July 2024 – Present**
Independant   *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   **December 2023 – June 2024**
Lead Cashier and Trainer   *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 Coursekata 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.

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[Date]

[Hiring Manager's Name]
[Company Name]
[Company Address]
[City, State ZIP]

Dear [Hiring Manager's Name],

I am writing to express my interest in the [Position Title] role at [Company Name]. I am currently pursuing a Bachelor of Science in Statistics at Cal Poly San Luis Obispo, with an expected graduation in June 2026. My academic background, along with hands-on experience in data analysis and programming, has prepared me well to contribute to your team.

In my role as a Quantitative Sports Analyst, I have developed and applied regression models and used tools such as R and Python to analyze data and support decision-making. I have worked on projects that involved creating data visualizations, building interactive apps, and developing performance metrics. These experiences have helped me build strong analytical and technical skills that I am eager to bring to your company.

I am excited about the opportunity to join [Company Name] and believe that my skills in data analysis, programming, and project management would be a great fit for your team. I am confident that my passion for learning and my practical experience will allow me to make a positive contribution to your organization.

Thank you for considering my application. I look forward to the opportunity to discuss how my background and skills align with the needs of your team. Please feel free to contact me at (626) 271-7071 or via email at justinmai042@gmail.com.

Sincerely,

Justin Mai

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San Luis Obispo, CA
justinmai042@gmail.com
(626) 271-7071

Hello PetDoors,

I am excited to apply for the digital advertising data scientist role at PetDoors. As a current Cal Poly student pursuing a Bachelor of Science in Statistics with a minor in Data Science, I have built strong analytical and technical skills through both my coursework and hands-on experience. I was thrilled to see an opportunity that calls for a math savvy, data focused individual who can drive optimization on Ad campaigns as applying statistics to real world problems is an opportunity I always look out for.

In my sports analytics work I used tools such as R and Python to create and implement regression models that transformed data into insights. For instance, my analysis of betting markets led to a net profit of $22K by identifying trends that others overlooked. This experience has not only sharpened my skills in using data to make decisions, but also taught me the importance of continually optimizing and improving my personal skills , a quality that perfectly matches the challenges of this role.

I understand the need for clear communication, targeted strategies, and a hands-on approach to solving complex problems. Your posting emphasized the importance of innovation and adaptability, and as I have learned over the summer, I need to constantly improve and dial in my techniques or I will be left behind as the environment around me changes. I am ready to commit at least 18 hours per week during the academic year and full-time over the summer. I take pride in being resourceful and am always finding creative solutions to demanding challenges.

I admire PetDoors's forward-thinking approach and commitment to breaking through your industry through looking for new digital advertising strategies. I look forward to the opportunity to discuss how my background, technical skills, and real-world experience can contribute to your team's success.

Thank you for considering my application.

Yours sincerely,

Justin Mai