

Tyler Stoen

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Education

California Polytechnic State University, San Luis Obispo

BS in Statistics

San Luis Obispo, CA

Sept 2021 - Current

- Expected Graduation Date: June 2025
- GPA: 3.79
- Dean's List: Fall 2021, Winter 2022, Spring 2022, Fall 2022, Winter 2023

Relevant Coursework

Statistics	Intro/Discipline of Statistics, Stat Inference/Management, Statistics I/II, Probability, Design and Analysis of Experiments, Statistical Computing in SAS, Statistical Computing in R, Statistical Communications, Applied Linear Models
Computer Science	Fundamentals of Computer Science, Data Structures
Math	Calculus I-IV, Linear Algebra, Methods of Mathematical Proofs
Data Science	Introduction to Data Science, Machine Learning

Work Experience

Alto Swim Club

Swim Instructor

Stanford, CA

June 2021 - September 2022

- Helped coach the age group program at Alto which builds the future of the program
- Taught private lessons to people new to swimming to help advance their swimming and water safety skills

Stanford Campus Recreation Association

Lifeguard

Stanford, CA

May 2018 - September 2022

- Responded to emergency situations at the facility to ensure the safety of individuals at the pool

University Projects

Effect of Median Age on Total Health Spending

California Polytechnic State University, San Luis Obispo

San Luis Obispo, CA

Feb 2023 - Mar 2023

- Analyzed data provided by gapminder on every country from 1994 to 2009, as well as predicted values until 2099.
- Recognized the relationship between median age of a country and the total health spending per person(USD) in that country.
- Cleaned raw data, visualised, and analyzed data in R.
- **Technical Skills:** R, Quarto, GitHub.
- **Soft Skills:** Time Management, Teamwork, Report writing.

Reaction Time Testing

California Polytechnic State University, San Luis Obispo

San Luis Obispo, CA

Jan 2023 - Mar 2023

- Collecting data from fellow Cal Poly students to determine if reaction time changed depending on temperature.
- Analysing data to determine if temperature had an effect on reaction time.
- Organized a report outlining the methods, materials, results, analysis and data analysis.
- **Technical Skills:** JMP, Excel.
- **Soft Skills:** Report Writing, Leadership, Teamwork.

Skills

Programming	Python (Pandas, NumPy, etc.), R(ggplot, tidyverse, quarto, RMarkdown, etc.), JMP
Miscellaneous	TeX(Overleaf/R Markdown), Tableau, Microsoft Excel, Git.
Leadership	Captain of club and high school swim teams, Web Editor for Viking Magazine
Foreign Language	Mandarin

Interests

Music	I took piano lessons for 10 years and passed the Advanced Level of the CM test. Now, I enjoy playing piano for enjoyment and listening to music.
Swimming	I have been involved in swimming for 15+ years. I have been swimming club since I was 4 and swam varsity for 4 years in high school. I am currently involved with the Cal Poly Swim Club.