Ella Smith

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EDUCATION

California Polytechnic State University	San Luis Obispo, CA
Bachelor of Science in Statistics	*Expected Graduation: 2026*

TECHNICAL SKILLS

Languages : Python, R, SAS, Git Repositories, Microsoft Excel, Minitab and JMP

Relevant Coursework : Statistics 1-3, Computer Science 101, Statistical Computing with SAS, Design and Analysis of Experiments, Statistical Computing with R, Calculus 1-4, Applied Linear Models, Methods of Proofs

WORK EXPERIENCE

Data Science Intern | *BrightBean Labs* — *June - August 2024*
- Sort large data sets for the computer science machine learning team using Excel and R.
- Learning Machine Learning concepts to apply to large scale projects

Mathematics Tutor | — *June 2024 - present*
- Helped explain and guide students through complex mathematical concepts and ideas.
- Communicated with parents through difficult conversations about learning objectives goals.

Team Member | *Life Time Fitness* — *May 2021 - January 2024*
- Communicated openly with children's parents about daily activities and behaviors for children ages four months to 12 years.
- Trained in first aid and CPR certified for both children and adults.
- Created a safe and educational space for children from 3 months to 12 years old.

Crew Member | *Shake Shack* — *June 2020 - May 2021*
- Handled food and drink preparation, managed cleanliness and sanitation, and operated cash registers in a fast-paced dining environment.
- Applied communication, exceptional customer service, and problem-solving skills to resolve customer complaints and promote long-term loyalty.

Team Member | *AMC Theaters* — *January 2020 - June 2020*
- Delivered exceptional customer service by assisting patrons with ticket purchases, concessions, and seating.
- Maintained cleanliness and organization of the theatre, including restrooms, lobby, and auditorium areas.

PROJECTS

Datafest | *American Statistical Association* — *May 2024*
- Collaborated with a team of four to analyze a large dataset, employing statistical and analytical techniques.
- Created a model to predict the outcome of a student's abilities based on various metrics and produced recommendations to help them improve.

Gapminder Data Analyzation | *R-Studio and SAS* — *March 2024*
- Collaborated with three other students to make predictions of infant mortality internationally from CO_2 levels from 1800 to 2018.
- Created visualizations to communicate potential issues and alarming outliers

Data Analyzation | *Python* — *May 2023*
- Used Python to sort and index a file of 4000+ albums and songs
- Made reproducible code to be reused for other music data sets.

LEADERSHIP AND INVOLVEMENT

Week of Welcome Orientation Leader | *California Polytechnic State University* — *September 2023*
- Attended 10 weeks of training, learning how to create an inclusive environment for all new students
- Led a group through orientation and personally planned activities for 10 days

Eye to Eye Mentor | — *2019 - 2022*
- Provided social-emotional interventions to middle school students with learning differences, including dyslexia and ADHD

ORGANIZATION

California Polytechnic University College of Science and Mathematics mentor		*2022-present*
California Polytechnic University Statistics Club		*2023 - present*