

# Krissina Alari

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## + PROFESSIONAL SUMMARY

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Statistics graduate student at UC Berkeley with a passion for all things math, statistics, and data science. Has over two years of experience working in statistics research and five years of experience working in STEM education. Comfortable with frequentist and Bayesian methodology. Experienced with the languages of R, Python, SAS, SQL, and LaTeX as well as creating data visualizations and dashboards in R and Tableau.

## + EDUCATION

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- ⊙ **University of California, Berkeley** – Berkeley, CA 2022
  - Statistics MA Student
- ⊙ **California State University, Monterey Bay** – Seaside, CA 2021
  - Mathematics BS, Statistics Minor
  - GPA: 4.00/4.00
  - Graduated Summa Cum Laude
- ⊙ **Chabot College** – Hayward, CA 2019
  - Mathematics AS
  - GPA: 3.96/4.00

## + WORK EXPERIENCE

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- ⊙ **Undergraduate Researcher** – California State University, Monterey Bay – Salinas, CA Jan 2021 – May 2021
  - Implemented sequential testing for bacteria testing procedures at local farms, which reduced sample sizes and improved efficiency up to 87%
  - Produced a technical report that outlined statistical methodology, simulation results, and applied examples
  - Developed an interactive R Shiny applet that guides users through their statistical analysis
- ⊙ **Instructional Assistant** – California State University, Monterey Bay – Seaside, CA Jan 2020 – May 2021
  - Provided instructional support for courses in introductory statistics and generalized linear models
  - Collaborated with professors and co-workers to evaluate the efficiency and accuracy of student work
  - Graded and provided feedback for 40-80 R programming assignments weekly
- ⊙ **Student Researcher** – Undergraduate Research Opportunities Center – Seaside, CA June 2019 – Dec 2020
  - Constructed data simulations in R to study the behavior of statistical methods
  - Published a manuscript on the application of Bayesian statistics to measurement comparison studies
  - Developed an interactive R Shiny applet that produces analysis results, interpretations, and visualizations
- ⊙ **Statistics Consultant** – Bureau of Land Management – Marina, CA Feb 2020 – May 2020
  - Identified effective treatments among experimental plant groups using nonparametric statistics
  - Compiled and cleaned six years' worth of research data using R and Excel
  - Created data visualizations for reports and presentations using ggplot2

## + RELEVANT COURSEWORK

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|-----------------------------|-----------------------|--------------------------------------|
| ⊙ Generalized Linear Models | ⊙ Bayesian Statistics | ⊙ Statistical Computing in R and SAS |
| ⊙ Advanced Linear Algebra   | ⊙ Data Visualization  | ⊙ Statistical Theory                 |