Sam (Samantha) Freis, M.A.

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SKILLS

- **Programming & Data Visualization**: R, tidyverse, ggplot2, Mplus, SPSS
- **Techniques**: Quantitative research, data management, statistical analysis (descriptive, inferential, and multivariate), structural equation modeling, project management
- **Tools**: REDcap, Qualtrics, MS Office (Word, PowerPoint, Excel), Google Workspace, ArcGIS, GitHub
- **Communication**: Scientific writing and communication, leadership, public speaking, grant writing, web copywriting

EDUCATION

University of Colorado Boulder, Boulder, CO   **Expected 2024**
Ph.D., Psychology
Behavioral, Psychiatric and Statistical Genetics | 3.94 GPA
Graduate Certificate in Quantitative Methods for Behavioral Sciences

University of Colorado Boulder, Boulder, CO   **2021**
M.A., Psychology

The University of Texas at Austin, Austin, TX   **2017**
B.S., Psychology, Biology Minor
3.89 GPA | Special Honors | High Honors

EXPERIENCE

Denver Museum of Nature and Science   **2023 - Present**
Research Assistant

- Collected visitor surveys and feedback to advance the goals of the Community Research and Evaluation Team

Project SHORT: Students for Higher Education Opportunities and Representation in Training   **2022 - Present**
Co-Director of Evaluation and Development

- Gathered and analyzed feedback from 1,000+ mentee and mentor surveys annually to measure the organization's success in providing mentorship and resources to prospective graduate students from underrepresented backgrounds
- Identified areas of improvement based on survey insights and presented suggested solutions to the executive board resulting in increased resources for international students and increased mentor recruitment in high demand disciplines
- Individually mentored prospective students each application cycle by providing feedback on application materials, conducting mock interviews, and aiding in school selection

University of Colorado Boulder   **2019 - Present**
Graduate Researcher

- Produced 10 first-authored scientific publications and conference presentations by identifying gaps in existing research, executing literature reviews, study designs, analyzing behavioral and survey data, and manuscript preparation
- Collaborated on projects with cross-functional research teams resulting in 15 co-authored publications and presentations
- Synthesized, translated, and communicated research insights to diverse audiences through departmental presentations, invited talks, and interviews
- Completed 4 evaluations of manuscripts for scholarly journals and provided constructive feedback for improving statistical analyses and insight communication that informed journal editors' publication decisions
- Received a predoctoral training fellowship of $150,000+ in tuition and stipend funding to advance knowledge on genetic and environmental influences on cognitive functions and mental health
- Served on the Diversity, Equity, and Inclusion committee and consulted on efforts and initiatives aimed to improve inclusiveness and workplace culture
- Awarded the Carol Becker Lynch Award for Excellence in Behavior Genetics and Research and a National Science Foundation Graduate Research Fellowship Program Honorable Mention

Teaching Assistant

- Delivered engaging instruction in research methods and the R programming language to 60 students, achieving a 95% combined satisfaction rate
- Promoted student academic and professional development by lecturing, fostering discussions, and grading coursework

Population Research Center, University of Texas at Austin   **2017 - 2019**
Research Coordinator

- Recruited, trained, and supervised a team of 20+ research assistants per semester in data collection, data entry, and participant recruitment and scheduling
- Developed a bi-weekly professional development newsletter to empower research assistant career advancement
- Managed lab databases, handled budgetary tasks, and organized lab event planning