# SAM FREIS

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## CAREER ACCOMPLISHMENTS

5+ years of experience in coordinating, designing, executing, and analyzing complex research projects to advance understanding of human behavior, cognition, and mental health, resulting in 10 first-author scientific publications and presentations, 15 co-author scientific publications and presentations, $150,000+ in tuition and stipend funding, and a $2,000 award for excellence in research.

## PROFESSIONAL EXPERIENCE

**Co-Director of Evaluation and Development** · Remote · 05/22 – present
The first student-led organization committed to shrinking the socioeconomic gap in graduate school admissions.

- Designed surveys in Qualtrics to gather feedback and used Excel and R to triangulate, analyze, and visualize qualitative and quantitative data from 1,000+ participants
- Interpreted survey results to evaluate program success and identify user pain points
- Delivered actionable insights to an 18-person executive board, leading to increased support and resources for 2,100+ students and 1,000+ mentors

**Researcher** · Institute for Behavioral Genetics, University of Colorado Boulder · On-site · 08/19 – present
An internationally acclaimed research facility that administers $50 million total grant dollars through ~40 grant-funded research projects.

- Identified gaps in existing research and led 5 end-to-end research projects to gain insights into genetic and environmental influences on cognitive functions and mental health that included 200,000+ total participants using quantitative methods and R, including exploratory data analysis, model evaluation and interpretation, structural equation modeling, and data visualization
- Conducted data management and Big Data wrangling for a study of 800+ adolescents and their families with 100,000+ behavioral and survey data points to ensure data quality and accessibility
- Provided statistical, methodological, and domain expertise to 5 large-scale research projects with cross-functional teams and stakeholders across 8+ departments resulting in 12 co-author publications and presentations that advanced knowledge on human behavior
- Translated and communicated insights to diverse audiences through 7 invited talks and interviews
- Delivered engaging instruction in behavioral science, research methods, experimental design, AB tests, the R programming language, and statistics to 60 students, achieving a 95% combined satisfaction rate
- Participated in 10+ professional development seminars and courses to stay updated with best practices in behavioral science, data management, analytics, and R and SQL programming

**Research Coordinator** · Population Research Center, University of Texas at Austin · On-site · 05/17 – 06/19
A cross-functional center supporting cutting-edge research using a population-level approach to understanding social problems and promoting human health and well-being.

- Enhanced lab efficiency and data quality by creating a research coordinator manual, automating tasks with annotated reproducible code, managing 10+ databases in REDcap with 1,000+participants, and implementing data quality control measures
- Developed reports and presentations using Excel, R, Tableau, and PowerPoint to ensure stakeholders were informed of data collection and quality developments
- Recruited, trained, and managed a team of 20+ research assistants each semester in ethical research practices, data collection, psychometric testing, data entry, and participant recruitment and scheduling

## EDUCATION

**PhD, Psychology** · expected 2024 · University of Colorado Boulder, Boulder, CO
**MA, Psychology** · 2021 · University of Colorado Boulder, Boulder, CO
**BS, Psychology** · 2017 · The University of Texas at Austin, Austin, TX