

Professional Experience

San Francisco State University

RESEARCH ASSISTANT

- Perform research under the guidance Dustin Ross in combinatorial algebraic geometry
- Supported by NSF RUI: Compactifying moduli spaces of orbits, covers, and curves

San Francisco, California

Aug 2021 - Current

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GRADUATE TEACHING ASSOCIATE

- Instructor of Record for undergraduate precalculus classes

San Francisco, California

Aug. 2021 - Current

Posit Science Corporation

SOFTWARE ENGINEER

- Developed software for the needs of multiple research studies on neuroplasticity
- Maintained and extended data pipelines, allowing for efficient and secure access to clinical data
- Developed back-end event scheduling systems and data models for efficient distributed computing

San Francisco, California

Jan. 2017 - June 2021

Posit Science Corporation

RESEARCH ASSOCIATE & DATA ANALYST

- Created in-house tools for automation of R&D tasks; including study measure analytics, reporting dashboards, graphing tools and study-flow monitoring
- Performed exploratory data analysis for research studies and produced graphs and figures for publications
- Coordinated multi-site research trial, maintaining compliance with FDA regulations for Phase II clinical research

San Francisco, California

Jul. 2015 - Jan. 2017

Northern California Institute for Research and Education

RESEARCH ASSOCIATE II

- Worked on a novel fMRI experiment on neurotransmitters and social cognition in Schizophrenia
- Created an analysis pipeline for the results of fMRI and MEG experiments

San Francisco, California

Mar. 2014 - Jul. 2015

Sonoma State University

INSTRUCTIONAL STUDENT ASSISTANT

- Tutored students in Music Theory I-IV, Music History, and Ear Training

Rohnert Park, California

Sep. 2011 - Aug. 2013