Work Experience

San Francisco State University
San Francisco, California

RESEARCH ASSITANT
Aug 2021 - Current

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

San Francisco State University
San Francisco, California

GRADUATE TEACHING ASSOCIATE
Aug. 2021 - Current

- Instructor of Record for undergraduate precalculus classes

Posit Science Corporation
San Francisco, California

SOFTWARE ENGINEER
Jan. 2017 - June 2021

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

Posit Science Corporation
San Francisco, California

RESEARCH ASSOCIATE & DATA ANALYST
Jul. 2015 - Jan. 2017

- 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

Northern California Institute for Research and Education
San Francisco, California

RESEARCH ASSOCIATE II
Mar. 2014 - Jul. 2015

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

Sonoma State University
Rohnert Park, California

INSTRUCTIONAL STUDENT ASSISTANT
Sep. 2011 - Aug. 2013

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