

JONATHAN TU

CONTACT

✉ johnnytu20@gmail.com

🌐 jj-tu.github.io/jj-tu

☎ (805) 300 - 8123

in johnnytu20

EDUCATION

University of California, Los Angeles (UCLA) Sept. 2018 to June 2022

B.S. Human Biology and Society
Concentration in Medicine/Public Health
GPA: 3.87/4.00, Dean's Honor List

SKILLS

TECHNICAL SKILLS:

Python (Pandas, Scikit-Learn, Seaborn),
R Studio,
Microsoft Office Suite (Excel, PowerPoint),
SQL, Tableau

RELEVANT COURSEWORK:

Statistical Methods,
Python and Applications, Linear Algebra,
Programming with R,
Principles of Epidemiology,
Issues in America's Healthcare Systems

EMPLOYMENT

Trapeze School New York Santa Monica, California
Flying Trapeze Instructor and Office Administrative Assistant June 2022 to Current

- Manage company website, including updating daily notices, session schedules and pricing, and resolving student enrollment issues
- Maintain database of students and associated documentation by reviewing data, verifying rosters and payment records, and processing daily equipment inspection reports
- Instruct flying trapeze classes in a high-stakes, high-visibility, and unpredictable environment by coordinating with team members for thoroughness, conscientiousness, and attention to detail for students' safety
- Explain ideas, policies, and procedures of flying trapeze to students, while displaying tact and empathy to accommodate students of different skill levels/body types by adjusting communication style to increase understanding
- Provide exceptional customer service to students by assessing their needs, providing appropriate information and assistance, resolving difficult customer issues, and working with resistant customers

UCLA Institute for Society and Genetics Los Angeles, California
Research Assistant Mar. 2021 to June 2022

- Conducted qualitative coding of 300 professional and academic machine learning papers to analyze research and ethical challenges in model datasets, recommending findings for further academic publications
- Extracted insights from a large amount of data on user engagement with scientific and pseudo-scientific papers by conducting qualitative coding of academic citations in 250 posts from a variety of sources of social media
- Performed literature reviews and evaluation of social media engagement to understand how polygenic risk scores are used in clinical and policy contexts and directly impacted development of grant proposal for further studies in the department
- Presented findings, conclusions, and recommendations from work assignments to supervisors and team members at weekly meetings

PROJECTS

Visual Perception of 3D Space and Shape in Time - Part IV - 3D May 2021 to
Shape Recognition by 3D Rotation Mar. 2022

- Under the Arisaka Lab at UCLA Physics/Astronomy Department, co-authored paper on visual perception of 3D space in relation to time.
- Designed and implemented experiments in Python, collecting data on 56 participants.
- Analyzed data using statistical methods including linear regression, Cousineau normalization, and chi-square analysis in MATLAB, and generated data visualizations for final publication.

ACTIVITIES

HOOLIGAN Theatre Company Sept. 2018 to June 2022
Finance, Development, and Grants Acquisition Officer

- Developed and organized successful grant proposals, procuring of 80% of funding per production for non-profit educational theater programs
- Demonstrated cross-functional teamwork by supporting operations towards company's goals for organizing 5 major events per quarter, with roughly 700 attendees at the end of each quarter for the largest events
- Analyzed funding sources and resource allocation through preparation of Excel spreadsheets to conduct data analysis on cost estimates, analyze alternate solutions, and present findings to management
- Advocated for diversity and inclusion, promoting performing arts opportunities for individuals of diverse racial, gender, and sexuality identities.