

# Shiyu Murashima

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## Education

### University of California, Los Angeles

*Expected June 2024*

*B.S., Major in Statistics and Data Science, Minor in Digital Humanities*

GPA: 3.78; Dean's Honors List

## Experience

### Modern Endangered Archives Program (UCLA)

**Los Angeles, CA**

*Data Scientist Part-Time*

*April 2023 - Present*

Analyzed text data of digitized artifacts from 30+ countries using NLP (e.g. TF-IDF matrix) and machine learning algorithms (e.g. topic modeling) in R. Generated 100+ visualizations to support decision-making for upcoming projects.

### Bruin Sports Analytics

**Los Angeles, CA**

*Data Consultant for UCLA Tennis/Football/Baseball*

*March 2022 - Present*

Analysis Head for the UCLA Tennis team, creating statistical match reports in R and player data dashboards in Tableau.

Collaborated closely with UCLA Football and Baseball coaching staff to create R Shiny applications features 30+ tables and visualizations. Utilized SQL to query NCAA data for comprehensive game-by-game analysis and player feedback.

### Simulation Engineering Lab

**San Diego, CA**

*Data Science Intern*

*July 2023 - September 2023*

Discovered key insights from housing sales data by building machine learning models for prediction and clustering tasks (e.g. forecasting housing prices with ARIMA) using Python.

### Eduplanner

**San Diego, CA**

*Data Analysis and Research Intern*

*September 2023 - February 2024*

Authored research paper detailing observed impacts on education outcomes following a semester of software utilization, using various machine learning algorithms (e.g. random forest) in R.

## Awards & Activities

### American Statistical Association DataFest (UCLA)

Los Angeles, CA

*Winners (Best Use of Statistical Modeling 2022)*

*April 2022 - May 2022*

Achieved 1st place out of 300+ students from various colleges. Given 2M+ rows of data with 130+ columns, my team observed patterns in a game made to understand real-life behavior of students and developed multiple models to categorize player's skill trajectories and scrutinize player behaviors within 48 hours.

### BioKind Analytics (Claris Health)

Los Angeles, CA

*Project Lead*

*October 2023 - Present*

Assisting Claris Health, a healthcare clinic, with a team of four on the analysis of patient health data and donor retention.

### DataRes at UCLA

Los Angeles, CA

*Project Lead*

*October 2021 - June 2023*

Created a new ranking of countries using GDP and alternative measures with a team of six. Incorporated 10 datasets consisting of various economic measures and used Python to clean the data and Tableau to visualize.

### Japanese Student Association at UCLA

Los Angeles, CA

*President and Design/Media Head*

*October 2021 - June 2023*

President: Delegating tasks to 26 staff members and organizing bi-weekly events for up to 100 members.

Design/Media: Designing merchandise and creating advertisements for recruiting new members and bi-weekly events. Reaching 2k+ accounts per month on official social media accounts.

Treasurer previously, raised \$1k+ planning fundraisers with companies and kept track of club transactions using Excel.

## Professional Memberships

American Statistical Association

## Technical Skills

R, Python, C++, SQL, Tableau, ArcGIS, QGIS, Microsoft Office, WordPress, Swift

## Languages

English (Native), Japanese (Native), Spanish (Intermediate)

## Hobbies

Soccer, Fingerstyle Guitar, Japanese Ikebana, Modern Calligraphy, Landscape Photography