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 Honor List

EXPERIENCE

Modern Endangered Archives Program UCLA   **Los Angeles, CA**
Data Scientist Part-Time   *April 2023 – Present*
- Conducted text analysis of digitized artifacts from 30+ countries using NLP (e.g. TF-IDF matrix) and machine learning models (e.g. topic modeling) in R. Generated 100+ visualizations to support decision-making for upcoming projects.

UCLA Athletics   **Los Angeles, CA**
Data Consultant (Bruin Sports Analytics)   *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 with 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 price index) 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 models (e.g. XGBoost) in R.

Claris Health   **Los Angeles, CA**
Data Analyst (BioKind Analytics)   *October 2023 – Present*
- *Project Lead* for a team of four analyzing donor retention trends, creating visualizations in R and dashboards in Tableau.

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 (e.g. player based regression) to categorize player's skill trajectories and scrutinize player behaviors within 48 hours.

DataRes at UCLA   **Los Angeles, CA**
Project Lead   *October 2021 – June 2023*
- Created a new economic 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   *April 2021 - Present*
- *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 3k+ accounts per month on official social media accounts
- *Treasurer* previously, raised $2k+ planning fundraisers with companies and kept track of club transactions using Excel.

Technical Skills: Python, R, SQL, C++, Tableau, ArcGIS, QGIS, Gephi, Looker Studio, Microsoft Excel, WordPress, Swift
Languages: English (Native), Japanese (Native), Spanish (Intermediate)
Hobbies: Soccer, Fingerstyle Guitar, Japanese Ikebana, Modern Calligraphy, Landscape Photography