

Liana (Jiangying) Bergman
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Education

Northwestern University

Master of Science in Machine Learning and Data Science

Evanston, IL
Sept 2024-Dec 2025

University of California, Los Angeles

Bachelor of Science in Statistics and Data Science

Los Angeles, CA
June 2022

Work Experience

Data Analyst

SportsMedia Technology(SMT)

July 2022-April 2024

Boston, MA

- Analyzed player data to develop models in R on a variety of tennis-specific parameters
- Built R Shiny applications to display player and ball tracking data for use by pro tennis players
- Models were integrated into SMT apps used at the US Open tennis tournament
- Translated portions of the code base from R to Python and MongoDB to improve latency

Research Intern

UCLA Department of Economics, Dora Costa Lab

January 2022-June 2022

- Investigated trends between grandparental life experiences and grandchildren's longevity across various geographical regions of Sweden by analyzing the scraped data using R
- Generated heatmaps of median years lived by Swedish county

Data Science Intern

Lookout, Inc.

June-September 2021

San Francisco, CA

- Wrote SQL queries in Amazon Web Services (AWS) Athena
- Created visualizations in Tableau to develop reports for members of the Product Team.
- Analyzed mobile device data by application type to aid the Product Team in trend assessment.

Education Projects

Industry Practicum

Sept 2024 - May 2025

- Participating in a nine month industry Practicum project alongside a team of students and partners from company sponsor, and applied MLDS coursework to resolution on a pressing business need.

Research Assistant

UCLA Baseball Team

January 2022-June 2022

- Identified favorable pitching and hitting matchups based on tracking individual pitch outcomes
- Helped develop a customizable dashboard in R Shiny allowing coaches to isolate individual pitcher/batter matchups and aggregate statistics

Senior Capstone Project

Research Assistant for Major League Baseball Agent

January 2022-April 2022

- because of injury trends between missed playing time because of injury while in the Minor Leagues and overall career success
- Web scraped player data for analysis utilizing R Selenium
- Led a team of 6 students organizing meetings and serving as the contact person with the client

Skills

Programming Knowledge: R, Python, SQL, C++, Tableau, Excel, MongoDB

Technical: Machine Learning, Statistical Modeling, Data Analytics, Data Visualization

Outside Interests: Financial Markets, Sports, Music, Legal Analysis