

Yanze Li

Emeryville, CA 94608 | (978) 990-6737 | liyanze@outlook.com

Education

University of California, Berkeley, College of Engineering, Berkeley, CA Expected Grad: Aug 2024

✧ Master of Analytics [GPA: 4.0/4.0]

Boston University, College of Arts and Sciences, Boston, MA Sep. 2019 - May 2023

✧ BA in Statistics and Economics [GPA: 3.76/4.0]

Skills/Coursework

✧ Experienced in large-scale data processing, data visualization, and dashboard development

✧ Advanced in predictive analytics: statistical modeling and deep learning (MLP, CNN, RNN)

Technical Skills: R (dygraphs, Shiny, DT, tidyverse, caret), Python (pytorch, sklearn), Oracle SQL, Git, Bash

Coursework: Database Design, Machine Learning and Data Analytics, Linear Models, Analysis of Variance, Applied Regression, Probability Theory, Mathematical Statistics, Stochastic Process

Internship Experience

Boston University Information Services & Technology, Boston, MA Jun. 2022 - May 2023

Data Analyst Intern

✧ Conducted statistical analysis on 20+ million school-affiliated Google accounts in **R**, creating and presenting a report with over 10 key metrics to support future purchasing decisions

✧ Developed a set of real-time interactive dashboards in **R** for monitoring research computing cluster usage

✧ Designed an automated system via cron jobs to generate visual reports on monthly computing cluster usage for over 3000 individual and group users, with built-in features to flag unusual activity patterns

✧ Tested 200+ programs/libraries for compatibility with the Linux Rocky8 upgrade process

Hainan Shengfeng Private Investment Fund Management Co., Ltd., China Jun. 2023 - Aug. 2023

Quantitative Research Intern

✧ Designed a financial data cleaning and conversion pipeline from **OracleSQL** to binary format in **Python**

✧ Contributed to alpha generation by developing event-driven strategies and optimizing executive salary movement alphas in **Python**, achieving a 10% out-of-sample return and improved Sharpe ratio

✧ Developed custom hedging strategies to mitigate short-term ETF investment risks through diversification

Research & Project Experience

A Machine Learning Approach to Predict Game Sales and Industry Trends (*UCB IEOR242 Course project*)

✧ Conducted predictive analysis of first-year game sales and overall market trends in **R**, synthesizing findings in a report for investor-driven market research in the gaming industry

✧ Extracted and preprocessed data from Gamalytics and Steam APIs, including imputation and outlier detection

✧ Performed variable selection using VIF, ANOVA, and Lasso regression, and implemented Gradient Boosting to forecast first-year game sales, attaining an 81% accuracy improvement over the baseline

✧ Forecasted gaming market trends using ARIMA, pinpointing a 3% annual growth in total revenue

Data Science for Good (*Boston University Spark! Lab*)

✧ Led a consulting team of five, conducting statistical analysis and field research on the use of Affordable Housing & Historical Tax Credits for Commonwealth Beacon, presenting findings biweekly to writers

✧ Developed a KNN model in **Python** to select tax credit applications based on their 5-year success likelihood, achieving 78% accuracy in predicting outcomes