Allison Lynn

Los Angeles, CA | allienlynn@gmail.com | 469-401-1939 | Portfolio | LinkedIn | GitHub

Professional Summary

- Data scientist with strong foundation in statistical modeling and mathematics, committed to leveraging data-driven insights for impactful solutions. Over two years of programming experience, with a passion for exploring data through analytical strategies, visualization techniques, and machine/deep learning methods.

Education

The University of California Los Angeles, BS in Statistics and Data Science — Sept 2022 – June 2026

- GPA: 3.75/4.0
- **Coursework:** Data Analysis and Regression, Probability Theory, Design and Analysis of Experiments, Mathematical Statistics, Calculus of Several Variables, Linear Algebra, Programming in R, Programming in C++, Programming in Python, Statistical Models and Data Mining, Linear Models, Computational Statistics with R

Experience

Data Strategy Intern, Ryan, LLC – Los Angeles, CA — June 2024 – Aug 2024

- Collaborated with technology leaders under Agile methodologies to enhance machine learning models utilizing PyTorch and TensorFlow
- Streamlined data solutions and enhanced processing capabilities using large language models
- Developed and optimized Python scripts for comprehensive data analysis and visualization
- Crafted SQL queries to efficiently manage and maintain data warehouses in Databricks, contributing to the implementation of a data lake storage solution

Calculus Tutor, Unlimited Tutoring – San Diego, CA — April 2023 – June 2024

- Conducted tutoring sessions for high school and university calculus courses
- Leveraged extensive mathematics knowledge and strong communication skills to provide one-on-one tutoring

Projects

Predicting NBA Game Outcomes — NBA-Game-Outcomes

- Achieved **93.87 %** accuracy by applying advanced modeling techniques in Python, including feature engineering with rolling averages, basketball statistics, and weighting, followed by SVC-based feature selection and Random Forest/Gradient Boosting.

Predicting NBA Salaries — NBA-Salaries

- Developed a linear regression model in R to predict NBA salaries, validating the model and identifying significant performance metrics.

Skills

Data Science: Statistical modeling (Logistic regression / LDA / QDA), Machine learning (Random Forest / Gradient Boosting / Lasso / Ridge / Linear SVC / Kernel SVM), Data Visualization, Experimental Design, Data Mining, Exploratory Data Analysis (EDA), LLM, Bias-Variance trade-off, Neural networks

Languages: Python (Pandas/Matplotlib/PyTorch/Sklearn), R, SQL

Mathematics: Calculus, Linear Algebra, Probability Theory, Optimization

Data Engineering: Extract Transform Load (ETL), Databricks, Azure DevOps, Excel