Yen Chun Lin

+1 (346)-907-1418 | yl5496a@american.edu | Washington, DC 20016

PERSONAL SUMMARY

Data Science Graduate | Machine Learning & Data Analysis Enthusiast

Recent Data Science graduate with a robust background in statistical analysis, machine learning, and programming. Proficient in Python, R, and SQL, with practical experience in applying advanced analytics and predictive modeling to solve complex, real-world challenges. Skilled in leveraging machine learning techniques, statistical methodologies, and data visualization tools to extract actionable insights and drive data-informed decision-making. Passionate about solving critical problems and contributing to impactful research or business projects in analytical and technology-driven environments. Eager to bring technical expertise and a solution-oriented mindset to roles in data analysis, machine learning, or research-focused positions.

EDUCATION

Master of Science: Data Science
American University, Washington, DC
Expected Graduation: December 2024
GPA: 3.9/4.0

Relevant course:

- Statistical Methods
- Programming R
- Regression
- Machine Learning
- Database and Big Date
- Business Insights/ Analytics
- Prog Analytics: Python
- Predictive Analytics

Bachelor of Science: Food Science
Tunghai University, Taichung Taiwan
Graduated: 2022

TEACHING EXPERIENCE

Student Athlete Support Program Tutor
American University

- Taught students R Studio skills
- Advised students on analysis techniques for research projects

TECHNICAL SKILLS

- Programming Languages: Python, R
- Data Visualization: Tableau
- Database: SQL
- Data Modeling: Relational Model, ER Model

RELEVANT PROJECTS

Baseball player batting performance analysis

- Analyzed players' batting performance data to identify trends
- Recommended strategies for improving batting performance
- Utilized big data analytics to enhance sports performance and strategy in MLB teams

Enhancing Sports Performance and Strategy Through Big Data: A Case Study of STATCAST in MLB

- Explored applications of big data in the sports industry, particularly in baseball
- Analyzed how STATCAST technology has improved data selection and decision-making for baseball teams

Addressing Fairness Issues in Imbalanced Datasets

- Developed and implemented machine learning models to address challenges with imbalanced datasets
- Developed programming skills in Python for implementing SVM models