

Liu Zhen

 HernandoR |  +65 8884 3589 |  zliu046@e.ntu.edu.sg |  liuzhen23

Master student with financial background looking for a full time job starting from now

Education



Master of Data Science
University of California, Los Angeles

2018 - 2020
USA

- Thesis: Predicting Customer Churn in Telecommunications Industry using Machine Learning Algorithms and Network Analysis
- Course: Big Data Systems and Technologies | Data Mining and Exploration | Natural Language Processing



Bachelors of Science in Computer Science
University of California, Los Angeles

2018 - 2020
USA

- Thesis: Exploring the Use of Machine Learning Algorithms for Predicting Stock Prices: A Comparative Study of Regression and Time-Series Models
- Course: Database Systems | Computer Networks | Software Engineering | Artificial Intelligence

Professional Experience



Director of Data Science
XYZ Corporation

2020 - Present
San Francisco, CA

- Lead a team of data scientists and analysts to develop and implement data-driven strategies, develop predictive models and algorithms to support decision-making across the organization
- Collaborate with executive leadership to identify business opportunities and drive growth, implement best practices for data governance, quality, and security



Data Analyst
ABC Company

2017 - 2020
New York, NY

- Analyze large datasets using SQL and Python, collaborate with cross-functional teams to identify business insights
- Create data visualizations and dashboards using Tableau, develop and maintain data pipelines using AWS



Data Analysis Intern
PQR Corporation

Summer 2017
Chicago, IL

- Assisted with data cleaning, processing, and analysis using Python and Excel, participated in team meetings and contributed to project planning and execution
- Developed data visualizations and reports to communicate insights to stakeholders, collaborated with other interns and team members to complete projects on time and with high quality

Projects & Associations

Volunteer Data Analyst
ABC Nonprofit Organization

2019 - Present
New York, NY

- Analyze donor and fundraising data to identify trends and opportunities for growth
- Create data visualizations and dashboards to communicate insights to the board of directors
- Collaborate with other volunteers to develop and implement data-driven strategies
- Provide regular data analysis reports to the board of directors and executive leadership

Certificates

- 2022

AWS Certified Security, Amazon Web Services (AWS)
- 2017

Applied Data Science with Python, Coursera
SQL Fundamentals Track, Datacamp

Publications

Jones, S., & Brown, M. (2021). Exploratory data analysis for predictive modeling [Paper presentation]. In *Proceedings of the international conference on data science*.

Smith, J. (2020). An introduction to data analysis techniques. *Journal of data science*, 15(2), 123–145.

Wilson, D. (2022). *Machine learning for data analysis*. Springer.

Skills

Languages

English | French | Chinese

Tech Stack

Tableau | Python (Pandas/Numpy) | PostgreSQL

Personal Interests

Swimming | Cooking | Reading