

XIAOYUN WANG

xiaoyun.wang00@gmail.com • 919-638-1232 • Durham, NC

EDUCATION

DUKE UNIVERSITY, The Fuqua School of Business <i>Master of Science in Quantitative Management: Business Analytics</i> Coursework: Data Science for Business, Decision Analytics & Modeling, Data Visualization, Applied Probability and Statistics	Durham, NC May 2023
FUDAN UNIVERSITY <i>Bachelor of Laws: International Politics</i> Courses: International Law, Diplomacy, International Political Economics, International Orders and International Norms	Shanghai, China June 2022

PROJECT EXPERIENCE

Analyze Data and Build Visualization for Duke Women's Lacrosse Sports Project <i>Data Analyst, Duke University</i> <ul style="list-style-type: none">Utilized R to efficiently scrape NCAA website and gather data for recent gamesImplemented Python and SQL codes to ingest data and establish a Maria database, including designing the database structure and loading dataLeveraged Tableau to construct insightful visualizations and dashboards, enabling coaching staff to analyze trends, evaluate performance, and plan practices.	Durham, NC Nov 2022 – Jan 2023
Stock Market Analysis and Estimating AAPL Stock Returns with Python Models <i>Data Analyst, Duke University</i> <ul style="list-style-type: none">Developed predictive models using logistic regression to forecast future trends in the stock marketUtilized Python modules, including LSTM and FAMA-French Three-Factor, to predict stock returns and provide actionable investment strategy recommendations.	Durham, NC Sept 2022 – Oct 2022

INTERNSHIP EXPERIENCE

GUOTAI JUNAN SECURITIES CO., LTD., Fixed-income Department <i>Investment Intern</i> <ul style="list-style-type: none">Created visualizations of investment returns for over 30 Asset Backed Securities to generate 4 monthly reports for investment evaluationDeveloped R codes and Excel database to analyze investment income data for investment estimationPerformed due diligence and asset valuation and developed financial models for project evaluation.	Shanghai, China Jan 2022 – May 2022
TENCENT, Public Strategy Research Center <i>Data Analyst Intern</i> <ul style="list-style-type: none">Utilized SQL queries and Excel to analyze and visualize 85,800 pieces of data across 22 digitalized industries and 355 cities in a time seriesApplied Tableau to visualize data and generated outcomes in Tencent's report of <i>2021 China Digital Industry Index</i> and presentation materials for the 2021 Tencent Global Digital Ecosystem SummitConducted web crawling using Python to gather relevant public policies for cloud services, co-writing the <i>2021 "Cloud + AI" White Paper</i>	Shanghai, China July 2021 – August 2021
CHINA GALAXY SECURITIES CO., LTD., Research Center <i>Equity Research Analyst Intern</i> <ul style="list-style-type: none">Completed an extensive report of over 20,000 words for an optical communication corporation, covering industrial research, corporate shareholding structure, financial status, and market and competitor analysisPublished over 20 review reports, utilizing Wind and Bloomberg to track trending topics in TMT industryVisualized monthly stock market prices to generate reports for 5+ companies, analyzed and manipulated database through Wind and Excel	Shanghai, China Feb 2021 – June 2021

TECHNICAL CAPABILITIES

Skills: SQL, R Programming, Python, Stata SE, Excel, Tableau, Power BI, Wind, Bloomberg
Statistical Methods: Regression, Classification, Clustering, A/B Testing, Decision Tree, Monte Carlo, Optimization