

Junpeng (Marshall) Jiang
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EDUCATION

University of California, Los Angeles Los Angeles, CA
Bachelor of Science in Applied Mathematics & Statistics Sept. 2016 - Mar. 2020

- GPA: 3.83 / 4.0
- Relevant Coursework: Multivariate Calculus, Linear Algebra, Mathematical Optimization and Modeling, Statistical Inference and Experiment Design, Statistical Models/Machine Learning, Statistical Consulting

Northwestern University Evanston, IL
Master of Science in Analytics (MSiA) Sept. 2020 - Expected Dec. 2021

CORE COMPETENCIES

- Programming and Software: R, Python, C++, MATLAB, SQL, LaTeX, Git, Tableau
- Specialized Skills: Data Consolidation/Cleaning; Missing Data Imputation; Data Visualization; Machine Learning; Statistical Experiment Design & Analysis; Database Queries & Management
- Languages: Mandarin (Native), English (Fluent)

WORK EXPERIENCE

China Minsheng Investment Group Shanghai, China
Summer Financial Analyst Intern Aug. 2019 – Sept. 2019

- Worked in a private equity team and conducted extensive company research within the health care sector.
- Gathered and consolidated external data from Yahoo Finance/Bloomberg. Used Python to produce trending plots of target companies' PE ratio, market capitalizations, and drafted company evaluation reports accordingly.
- Monitored target company's daily updates, devised team pitch slides, and constructed reporting templates, which allowed a 60% reduction in time needed to produce company evaluation reports.

Huawei Telecom Carrier Network Business Group Jinan, China
Backend Engineering Intern Aug. 2018 – Sept. 2018

- Collaborated with China Mobile and conducted its backend operating system maintenance and performance testing.
- Utilized SQL to perform functional testing on China Mobile's operating system by extracting and verifying simulated customer data from databases. Formulated testing reports to reflect existing abnormalities and provided suggestions for modifications.
- Translated international client calls from English to Chinese and reduced development team's workload by 20 hours per week.

PROJECTS AND COMPETITIONS

Worldwide Suicide Rate Research, UCLA Los Angeles, CA
Team Leader June 2019

- Conducted exploratory and predictive analysis of suicide rates within North Europe and Middle East regions.
- Made use of Numpy, Pandas, Seaborn, Matplotlib and other Python packages to generate statistical inferences and visualizations. Analyzed suicide rates in relation to gender proportion, age distribution, and GDP within both regions.
- Constructed region-specific OLS and GLM models to predict suicide rates. Adjusted models by removing multicollinearity and scaling regression predictors. Improved the Mean Squared Error of prediction by 25% after modifications.

UCLA 2019 DataFest Competition Los Angeles, CA
Team Leader, Finalist April 2019

- Performed in depth analysis of training data collected by Canadian Women's Rugby Team to explore fatigue measures.
- Used R to clean and consolidate over 3,000,000 rows of data. Implemented probabilistic K-means and Principal Component Regression to identify essential fatigue indicators and constructed new player evaluation metrics.
- Explored correlation between each player's training workloads and next-day game performance. Provided individualized training plans that expect to boost each player's performance up to 35%.
- Received Finalist Award in the competition as one of the top 10 out of 70+ participating teams.

LEADERSHIP EXPERIENCE

Eta Omega Chi East Asian Business Professional Fraternity (Co-ed) Los Angeles, CA
Beta Class, Director of Publicity Sept. 2018 – Mar. 2020

- Monitor social media accounts and regularly post fraternity events and professional workshops across media such as Instagram and WeChat official accounts to maintain a strong social media presence.
- Develop marketing campaigns, outline advertising strategies, and organize information sessions before recruitment.
- Coordinate with board members and assist in campus-wide recruiting interview process.

Beihang University VLDB (Very Large Data Base) Summer Camp Beijing, China
Participant, Project Team Leader July 2017

- Led a team in summer camp project to identify cases of Health Care fraud within Chinese regional hospitals.
- Explored the anomalies and patterns of patients' medical records in relation to cases of Health Care insurance fraud. Constructed logistic regression models in R to predict fraud cases. Reached a 10% misclassification rate after cross validation