**AORAN WANG**

aoran.wang@emory.edu | Linkedin.com/in/aoranwang | 404-432-0180

**EDUCATION**

**EMORY UNIVERSITY – GOIZUETA BUSINESS SCHOOL** Atlanta, GA

Master of Science in Business Analytics (MSBA) - STEM credentialed program\* - Dual Degree Candidate *May 2022*

* MSBA GPA:3.4/4.0 Coursework: Business Analytics, Data Visualization, Optimization, Machine Learning, Managing Big Data

Bachelor of Business Administration in Finance and Consulting / Double Major in Quantitative Science Study *Dec 2022*

* BBA GPA: 3.7/ College GPA: 3.7; Dean’s List; Department Ambassador; Lab Assistant; Teaching Assistant; Research Fellow
* Completed QSS/BBA Coursework: Strategic Management, Financial Accounting, Corporate Finance, Investment Banking, International Finance, Investment, Probability and Statistics, Intro to Stat Computing, Data Science Computing

**DATA SCIENCE COMPETENCIES**

*Analytics Tools*: Excel, Tableau, RapidMiner, Tensorflow, Gurobi, Github, AWS (Hadoop, Hue, Spark), NoSQL, Hive, Snowflake

*Languages:* R, SQL, PYTHON (Pandas, Seaborn, NumPy, Seaborn, SciPy, Scikit-learn, Optuna, etc.)

*Techniques:* Statistical Analysis, Data Visualization, Optimization, Big data management, Machine learning, Deep learning, NLP

**DATA SCIENCE PROJECTS**

**CORTLAND CAPSTONE PROJECT** *2022*

* Utilized SQL to query and Python to clean residential data; conducted Exploratory Data Analysis and diagnostic statistical models including logistic regression, survival analysis, to identify essential features contributing to residential churn
* Tuned advanced machine learning models including LightGBM, Xgboost, Neural Network, and KNN for residents' churn classification; best model yielded 90% accuracy (given 0.6 target rate) with $3.5M/year predicted saving for Cortland

**TRAVELERS MODELING COMPETITION** *2021*

* Visualized insurance fraud dataset by Tableau dashboards and conducted data cleaning, feature engineering using Python
* Tuned fraud detection models using advanced machine learning models such as Random Forest, SVM and XGBoost
* Expected $2924.6 saving per claim for Travelers if fraud model is implemented correctly

**WORK EXPERIENCE**

**GOIZUETA BUSINESS SCHOOL OF EMORY UNIVERSITY** Atlanta, GA

*Data Visualization Graduated* *Teaching Assistant Aug. 2022 – present*

* Entailing weekly office hours to coach students with R, Tableau, PowerBI and Python data visualization techniques and assisting professor with coding assignment grading

**TRAVELERS INSURANCE** Hartford, CT

*Summer Associate Data Scientist*  *Jun. 2022 – Aug.2022*

* Performed Exploratory Data Analysis with auto insurance policy data using Python, including distribution comparisons, feature response analysis, significant test (T-test, Chi-square test, ANOVA), and sentiment analysis for text entries
* Tuned LightGBM machine learning model using Scikit-learn, Optuna for customer return classification; analyzed and interpreted model performance using SHAP value, Lift chart, and Tabulation; best model reached over 0.7 AUC given only 2% target rate
* Made market implementation plans and presented business values to leaders within Travelers R&D Department

**MCKINSEY & COMPANY** Shanghai, China

*Data Analytics Part-time Assistant*  *Feb. 2021 – May.2021*

* Visualized and analyzed data content for Chinese streaming service market using R and Tableau
* Collected relevant industry information/report and conducted market research; presented marketing insights to business partners

**LEADERSHIP EXPERIENCE**

**DRAWCHANGE** Atlanta, GA

*None-profit Summer Marketing Data Analyst May. 2020 – Jul. 2020*

* Took the lead in marketing team to evaluate website post content quality using Google Analytics and R; doubled website traffic

**INTERNATIONAL VOLUNTEER HQ** Tigman, Philippines

*Math and English Teacher May. 2019 – Jul. 2019*

* Taught 100+ children in Philippines Tigman Village Primary School both basic English and applicable Math skills

**ADDITIONAL INFORMATION**

*\* STEM credential offers up to 3 years of U.S. Work Authorization eligibility*

* Languages: English (Fluent), Chinese (Native), Japanese (Conversational)
* Certification: Google Analytics, Goizueta Business Research Certificate, IBM Data Science Professional Certificate (in progress)