

XUMING (MARCO) WANG

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Programming Language: Python, Golang, C++ and SQL;

WORK EXPERIENCE

Research Assistant @ Fordham University Jun/19- Current New York, NY

- Achieved a 20% reduction in metric RMSE, by building and training machine learning algorithms for object detection and Localization. Localized the damaged pixels in MRI pictures, improving the MRI image quality and diagnosing results.
- Deployed the End to End solution independently school server, improved model inference time 70% by TensorRT (flask, uWSGI, Apache, HTML, CSS)

Financial Data Analyst @ Wright Star LLC Oct/19- Dec/19 New York, NY

- Designed auto data updating script for data ETF and stock mode. Improved the overall efficiency by enabling the models to update the daily closing price of stocks(Python, AirFlow)
- Built DCF model to classifies stocks based on multiple financial indicators, and provide insights to traders in long-term stock investments(Python, Excel)

Operation Analyst @ DHL-SinoTrans International Air Courier LTD Jan/17-Aug/18 Dongguan, China

- Updated data identified root causes and developed potential solutions, Improved the overall customer satisfaction score by 15% by using root cause analysis, and delivered an actionable solution plan(Python and Excel.)
- Communicating and leading a group with Sales, Tech, and service center, draw the actionable solution that can improve our KPI in operation efficiency improvement project.

Management Trainee @ Poly Commercial Real Estate Co., Ltd Jul/15-Dec/16 Guangzhou, China

- Maximized revenue income 20% by adjusting room pricing, while ensuring the continuation and enhancements of service
- Increased customer satisfaction scores 15% by analyzing daily information and guest satisfaction report, and directing weekly reports about causes analysis for the executive management team

PROJECTS

COFFEE SHOP FULL STACK April/20-Jun/20 New York, NY

- Built the backend for a coffee shop web application and created API permission and authentication used role-based access management strategies to control different types of user behavior in the app(PostgreSQL, Auth0, JWT, Python)
- Deployed scalable containerized machine learning web application in the cluster (Flask, Docker, Kubernetes, and Ansible)

MACHINE LEARNING MICROSERVICE API IN HEALTH CARE Mar/20-May/20 New York, NY

- Designed and implemented a multibranch CI/CD pipeline performing environment setting, file linting, and unit testing (Jenkins, CircleCI, and Github).
- Tested endpoints with Postman and integrated with the front end(Javascript, Nodejs, NPM)

MILLION SONG DATASET ANALYSIS May/19-Jun/19 New York, NY

- Designed data modeling and transforming data from various sources into star schema optimized for analysis (PostgreSQL)
- Developed the ETL Pipeline copying datasets from raw data to database, data processing and writing the result to S3 buckets using efficient partitioning and parquet formatting on Cluster(EMR, redshift, S3, spark)

WEB ANALYTICS ON AIRBNB REVIEWS Sep/18- Dec/18 New York, NY

- Pre-processed review data with 100000 reviews of Manhattan 2018 crawled from the internet, filled missing values, grouped by countries, gender, or age to get the statistical information((Python)

EDUCATION

2018-2019 **FORDHAM UNIVERSITY, GABELLI SCHOOL OF BUSINESS MS, Business Analytics** New York, NY

- Related Course: Data Mining, Machine Learning, Big data Programming, Text analytics, and Algorithms
- GitHub: <https://github.com/MarcoXM> for courses assignments and group projects

2011-2015 **GUANGDONG UNIVERSITY OF FOREIGN STUDIES BS Logistics Management** Guangzhou, China

- Course: Linear Algebra, Probability Theory, Calculus, and Database Fundamental and Application

ACTIVITIES & AWARDS

- Kaggle Competition: University of Liverpool - Ion Switching -Bronze Medal **top 8% (192/2,618)**
- Languages: English: Fluent/Cantonese, Mandarin: Native