Nan (Miya) WANG

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DETAILED-ORIENTED DATA PROFESSIONAL with diversified experience within Marketing, Financial and IT industry, combing the ability to develop client-oriented insights through quantitative and qualitative research in agile environment.

Core Technical Skills

Programming Language: Python, R, SQL;
Packages and framework: Pandas, NumPy, Scipy, Matplotlib, Scikit-Learn, Hadoop, Spark, PySpark, Shiny, igraph;
Software:Google BigQuery, Cloudera, SPSS Modeler, Tableau, Spotfire, Qlikview, Cognos, Databricks;

PROFESSIONAL EXPERIENCE

Converseon   08/2016 - Present
Data Analyst *(Digital Media, ETL)*   New York, NY
- Create advanced SQL queries to retrieve proprietary and public text data and improve 20% of raw data relevancy;
- Clean, transform data and conduct QA testing for large raw data and saved 30% of previous time on data validation;
- Independently conduct data-driven and client-oriented analytics;
- Partner with clients (e.g. large pharmaceutical companies) to generate insights and strategies (PPT, Tableau and Pivot table);

Fordham University, Dr. Katsamakas (Area Chair)   01/2016 – present
Data Science and Research Assistant *(Machine Learning, Spark)*   New York, NY
- Run a convolutional neural network model (LaMem) on Linux system;
- Automate streaming data collection and cloud storage with AWS EC2 and S3;
- Build a SQLite database to store raw data; Clean and transform raw data for analysis;
- Improve previous model computation speed by 10% with optimized data type, distributed machine learning tech and PCA;

AXA, SL Financial Group   2015
Financial Analyst *(Financial Modeling, Programming)*   Hong Kong, China
- Crawl and merge financial data from various sources;
- Conduct statistical analysis (time series, kernel density estimation, correlation) with visualization;
- Predict stock price and Hang Seng Index with quantitative programming;
- Optimize performance of hedge fund portfolio with financial modeling;
- **Top Performer Award**; "2nd Runner Up" as a team. (Total 20 teams).

Pacific Northwest National Laboratory (PNNL)   2014
Business Contracts *(Project Management, Database)*   Richland, WA
- Extract and transform raw data from proprietary database and Oracle database;
- Partner with offsite clients to determine contract performance, delivery schedules, and estimates of budgets;
- Assist management of multi-million dollar contracts portfolio, acquisition planning and contracting method determination;

PROJECT

BlueOptima   06/2016-08/2016
Statistics *(Social Network, Computer Software, R)*   New York, NY
- Assist monitoring software development by quantifying developers' coding commitment;
- Developing visual application of large (millions of nodes) bipartite network to track developers' collaboration pattern.
- Efficiently communicate business requirements and solutions to non-tech stakeholders;

Deloitte   01/2016-03/2016
Data Modeling *(Quantitative Modeling, Project Management)*   New York, NY
- Improve predictive model (RandomForest) accuracy by 6% with advanced Machine Learning techniques;
- Successfully Interpret the model to levels of management with app development (Azure) and user-interactive visualization;
- **First Prize** in Fordham March Madness Data Crunch Competition;

EDUCATION

Fordham University, Information Systems Department   **Expected 12/2016**
Master of Science, Business Analytics, GPA: 3.9
- Courses: Text Analytics; Big Data; Data Mining; Database Management; Risk Analytics; Financial Programming;

Nanjing Normal University   **2015**
Bachelor of Arts, International Business (Environmental Engineering), GPA: 3.6
- Courses: Microeconomics, Global Finance, Visual Basic Programming, Advanced Mathematics, Fundamental Physics;

Others

Certificates: Google Adwords & Google Analytics;
Membership: Steering Community in Fordham Business Analytics Society; Fordham Fintech Network; Red Cross Society of China;