Nan (Miya) WANG

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Programming Language: Python, R, SQL, VBA;
Database: Oracle, IBM DB2, SQLite, MySQL, Microsoft Access;
Software: Tableau, Spotfire, Qlikview, Weka, SPSS Modeler, MySQL, Microsoft Office;

PROFESSIONAL EXPERIENCE

Converseon   08/2016 - Present
Intern, Data Analyst *(Digital Consultancy)*   New York, NY
- Convert clients' needs and expectation into research and data analysis problem;
- Translate complex analytical work into easily digested insights and recommendations for clients (Pivot table, charts and PPT)
- Create advanced queries to retrieve social conversation 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 (Excel);

Fordham University, Dr. Katsamakas (Area Chair)   01/2016 – present
Research Assistant   New York, NY
- Provide technical support and analytical guidance for finance majored Fordham undergraduates on Tableau workshops and Business Intelligence courses during two semesters;
- Provide intensive programming support (Python) for various research, work including web crawling (text data), database(relational) building, ETL, machine learning modeling (logistic regression, KMeans and nearest neighbors), NLP, statistical analysis (ANOVA, correlation and regression), visualization and pattern recognition (convolutional neural network);

AXA, SL Financial Group   2015
Financial Analyst *(Equity Research)*   Hong Kong, China
- Conduct equity research, work including financial data collection with proprietary software, financial reports analysis, industry trend monitoring and companies research in required sectors;
- Prepare, maintain and distribute ad-hoc reports (PPT) for different levels of management;
- Develop and analyze price-earnings and price-to-book ratio (PE, PB) for various areas of companies as needed; (VBA)
- Trained to optimize the performance of hedge fund portfolios with financial modeling (Mean-variance) and MC simulation;
- **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
- Retrieve and transform raw data and prepare information as required from various databases or systems: company database for issued contracts (Web Reports), paperless system, government database for approved vendors System for Award Management (SAM), North American Industry Classification System (NAICS), and U.S. Small Business Administration (SBA) system.
- Partner with offsite clients to determine contract performance, delivery schedules, and estimates of budgets;
- Review company Acquisition guidelines that provide detailed rules and regulations for placing government contracts;
- Assist management of multi-million dollar contracts portfolio, acquisition planning and contracting method determination;

PROJECT

BlueOptima   06/2016-08/2016
Statistics *(IT Consultancy, Agile Estimation)*   New York, NY
- Clean and transform data collected from Agile tools (JIRA software and Git)
- Evalute agile development by analyzing developers' coding commitment (story points) through network analysis;
- Track developers' collaboration pattern by developing visual application of large bipartite network (millions of nodes); (R)
- Efficiently communicate business requirements and solutions to non-tech stakeholders; (Tableau)

Deloitte   01/2016-03/2016
Data Modeling *(Data Mining)*   New York, NY
- Improve previous predictive model (RandomForest) accuracy by 6% with advanced Machine Learning techniques;
- Develop a web application using Microsoft Azure to deploy the Machine Learning model;
- Successfully Interpret the model to levels of management in Deloitte with user-interactive visualization; (Tableau)
- **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;