

# 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, Google BigQuery, Weka, SPSS Modeler, Microsoft Office;

## PROFESSIONAL EXPERIENCE

### Fordham University, Dr. Katsamakos (Area Chair)

01/2016 – present

Research Assistant

New York, NY

- Provided technical support and analytical guidance for Fordham undergraduates on Tableau workshops and graduates on Cloud Computing (Microsoft Azure) during two semesters;
- Provided intensive programming support (Python) for projects, work including web crawling (web pages developed by JavaScript), database (Relational) building, ETL, machine learning modeling (Logistic Regression, Gradient Descent, Support Vector Machine, KMeans, Decision Tree, Nearest Neighbors), Natural Language Processing (10 years of NYTimes articles), financial modeling (Option Pricing and Hedge Fund trading volatility), statistical analysis (ANOVA, correlation, non-parametric and time series) and pattern recognition (convolutional neural network, Caffe);

### Converseon

08/2016 - Present

Intern, Data Analyst (*Digital Consultancy*)

New York, NY

- Converted clients' needs and expectation into research and data analysis problem;
- Translated technical work into easily digested insights and recommendations for clients in different industries, which has led to at least 8% higher positive brand impression after weeks of involvement; (Pivot table, Charts and PPT)
- Improved clients' customer relationship management by approaching and analyzing customers' online conversation through machine learning techniques and sentiment analysis;

### AXA, SL Financial Group

2015

Financial Analyst (*Financial Modeling*)

Hong Kong, China

- Performed equity research to monitor new/ongoing developments in real estate and financial industries in different markets;
- Developed price-earnings and price-to-book ratio (PE, PB) models to estimate companies' future profitability; (VBA)
- Prepared, maintained and distributed ad-hoc reports (PPT) for different levels of management;
- Conducted analysis of portfolio and performance attribution (Mean-variance and MC simulation);
- **Top Performer Award**; "2<sup>nd</sup> Runner Up" as a team. (Total 20 teams).

### Pacific Northwest National Laboratory (PNNL)

2014

Business Contracts (*Project Management, Database*)

Richland, WA

- Retrieved and transformed raw data for management review from various databases or systems: company database for issued contracts or web reports, proprietary paperless system and government databases (SAM, NAICS and SBA);
- Partnered with offsite clients to determine contract performance, delivery schedules, and estimates of budgets;
- Assisted management of multi-million dollar contracts portfolio, acquisition planning and contracting method determination;

## PROJECT

### BlueOptima

06/2016-08/2016

Statistics (*IT Consultancy*)

New York, NY

- Cleaned and transformed the data collected from Agile tools (JIRA and Git);
- Evaluated agile development with higher accuracy by analyzing panel data of over 500,000 developers' coding commitment (Coding Efforts) through network analysis and time series analysis;(R igraph)
- Tracked developers' collaboration pattern by developing visual application of large bipartite network; (R Shiny)

### Deloitte

01/2016-03/2016

Data Modeling (*Data Mining*)

New York, NY

- Improved previous predictive model (RandomForest) accuracy by 6% with advanced Machine Learning techniques;(Sklearn)
- Developed a web application using Microsoft Azure API to deploy the Machine Learning model;
- Successfully Interpreted the model to levels of management with user-interactive visualization; (Matplotlib, D3)
- **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;