

# Nan (Miya) WANG

(646) 460-5769 | [nwang26@fordham.edu](mailto:nwang26@fordham.edu) | [Github](#) | [LinkedIn](#)

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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

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**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 10% higher positive brand impression after weeks of involvement; (Pivot table, Charts and PPT)
- Improved clients' customer relationship management (CRM) by approaching and analyzing customers' online conversation through machine learning techniques and sentiment analysis;

**Fordham University, Dr. Katsamakos (Area Chair)** 01/2016 – present  
Research Assistant New York, NY

- Provided technical support and analytical guidance for finance majored Fordham undergraduates on Tableau workshops and Business Intelligence courses during two semesters;
- Provided intensive programming support (Python) for projects and research, work including web crawling (dynamic web pages developed by Javascript), database (relational) building, ETL, machine learning modeling (logistic regression, KMeans and nearest neighbors), statistical analysis (ANOVA, correlation, regression and time series), visualization and pattern recognition (convolutional neural network);

**AXA, SL Financial Group** 2015  
Financial Analyst (*Equity Research*) Hong Kong, China

- Performed equity research in monitoring new developments as well as 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

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**BlueOptima** 06/2016-08/2016  
Statistics (*IT Consultancy*) New York, NY

- Clean and transform the data collected from Agile tools (JIRA and Git);
- Evaluate agile development with higher accuracy by analyzing panel data of over 500,000 developers' coding commitment (Coding Efforts) through network analysis;
- Track developers' collaboration pattern by developing visual application of large bipartite network; (R)

**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 with user-interactive visualization;
- **First Prize** in Fordham March Madness Data Crunch Competition;

## EDUCATION

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**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

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**Certificates:** Google Adwords & Google Analytics;

**Membership:** Steering Community in Fordham Business Analytics Society; Fordham Fintech Network; Red Cross Society of China;