**Nan (Miya) WANG**

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**Language:** Python, R, SQL, Scala;

**Database:** Oracle, IBM DB2, SQLite, MySQL, HDFS, Amazon S3;

**Software & Framework**: Spark, MapReduce, Hive, Databricks, Tableau, Spotfire, Weka, SPSS Modeler, SAS;

**PROJECT**

**United Nations *(****Natural Language Processing)*

* Defined tools and planed processes for Fordham analytics teams;
* Project-managed progress with Agile approach (Github);
* Performed text processing and Latent semantic analysis with Python;

**Fordham University, Center for Digital Transformation *(****Parallel Data Processing)*

* Developed python programs to automate data crawling from web sources;
* Loaded unstructured data into Hadoop File System (HDFS);
* Created extract/transform/load(ETL) jobs for gigabytes of data with Spark API;
* Implemented option pricing models (Black Scholes) with multi-threading techniques;

**Deloitte *(****Machine Learning)*

* Built and tuned predictive models (Logistic Regression/Nearest Neighbors/Support Vector Machine/ RandomForest);
* Interpreted quantitative models to levels of management with user-interactive visualization (Matplotlib);
* **First Prize** in Fordham Data Crunch Competition;

**BlueOptima *(****Social Network Analysis)*

* Cleaned and transformed data (over 500,000 developers’ coding commitment) collected from Agile tools (JIRA and Git);
* Conducted social network analysis and community detection;
* Developed visualization (R igraph) and application (R Shiny) for a large bipartite network;

**EXPERIENCE**

**Converseon** 2016

Intern, Data AnalystNew York, NY

* Developed advanced queries to retrieve market data with 10% higher relevancy;
* Conducted Sentiment analysis on proprietary big data analysis software;
* Partnered with clients to generate reports/dashboards with deep-dive insights;

**AXA, SL Financial Group**  2015

Intern, Financial Analyst Hong Kong, China

* Performed equity research to monitor new/ongoing developments in different markets;
* Prepared, maintained and distributed ad-hoc reports for different levels of management;
* Conducted analysis of portfolio and performance attribution (Mean-variance and MC simulation);
* **Top Performer Award**; “2nd Runner Up” as a team. (Total 20 teams).

**Pacific Northwest National Laboratory**  2014

Intern, Business Analyst Richland, WA

* Retrieved, combined and cleansed data from government databases/applications/systems;
* Analyzed regulatory documents/data to assist management of multi-million dollar contracts portfolio;
* Partnered with offsite clients to determine contract performance, delivery schedules, and estimates of budgets;

**Chinese Olympic Committee** 2013-2014

Intern, Business Analyst Nanjing, China

* Integrated, validated and cleansed data from various sources;
* Created pivot tables/charts using worksheet data and external resources;
* Designed, recorded, and executed macros to automate data entry inputs;

**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;