YUXIANG ZHANG
5816 6th Ave, Brooklyn, NY 11220
(571)325-8538   yz3079@nyu.edu

EDUCATION:

New York University | Center for Urban Science and Progress, Brooklyn, NY   Aug. 2016
Master of Science, Applied Urban Science and Informatics GPA: 3.8

Nankai University | School of Mathematical Science, Tianjin, China   June 2015
Bachelor of Science, Statistics GPA: 3.1

TECHNICAL SKILLS:

Machine Learning：	Sparse linear models, Support Vector Machine, Kernels, Gradient descend, Neural Network, Bayesian methods
Software and Programming Languages:	Python (scikit-learn, numpy, scipy, pandas, geopandas), ArcGIS, JavaScript, MEAN Stack
Dataset Processed：	American Community Survey data, NYC CitiBike, NYC Hospital Facility, PLUTO data, Echonest music data, WikiData
Selected Coursework：	Machine Learning, Applied Data Science, Civic Analysis, Stochastic Processes

ACADEMIC PROJECT：

New York University | Center for Urban Science and Progress, Brooklyn, NY

Stock Insight (Flask, Node.js, MongoDB)   March. 2016
- Real-time Visualization dashboard to reflect the stock community's sentiment.
- Design a document database to store the real-time stock price and twitter message related to S&P100.
- Calculate and score the sentiment of twitter message.

100 NYU: 100 Ways to explore NYU (MEAN Stack)   Feb. 2016
- NYU's Campus Coding Collaborative program candidate.
- Build bucket list database for events throughout NYU.
- Design web interface for users to check the bucket list or add to wish list.
- Plan, sort and manage dataset with machine learning algorithm.

A Network Analysis of Pop Musicians' Similarity (Python)   Nov. 2015 – Dec. 2015
- Calculate pop musicians' similarity using Echonest API.
- Analyze and visualize the top 1000 hottest pop singers' network.
- Recommend similar musician using shortest path algorithm from Networkx package.

TEACHING EXPERIENCE：

Econometrics Researching Assistant, Tianjin, China   Jun. 2014 – Jun. 2015
Institute of Statistics and Econometrics, School of Economics, Nankai University

Teaching Assistant, Tianjin, China   Sep. 2014 – Jan. 2015
Institute of Statistics and Econometrics, School of Economics, Nankai University
Class: Econometrics (Fall, 2014)

HONORS AND AWARDS：

NYU Campus Coding Collaborative program candidate	Apr. 2016
Winner Certificate for HackNYU hackathon	Feb. 2016
CUSP Academic Scholarship	Sep. 2015
Session Chair Certificate for 2015 GCBF, Las Vegas	Jan. 2015
Provost's honor for Organization Leadership	Sep. 2014
Vice-President, Student Union of Nankai University	Sep. 2014