

# Yuan(Aaron) Wang

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## EDUCATION

<b>New York University - New York, NY</b>	Jan 2017
Master of Engineering Management	3.5/4.0
Relevant Coursework: Statistic for Behavior and Social Science(Stata), Technology Information System, Economic, Finance and Accounting	
<b>Tongji University - Shanghai, China</b>	Jun 2014
Bachelor of Environmental Engineering	3.4/4.0
Relevant Coursework: Higher Mathematics, Probability and Statistics, Calculus, SQL Server, C++	

## DATA ANALYSIS PROJECTS

*Perceptual Phenomenon Testing*: [Statistic] Analyze Stroop effect in experimental psychology with descriptive statistic and hypothesis test

*Titanic: Machine Learning from Disaster*: [Python] Create data analysis and visualization report to explore relationship between passenger survival rate and various factors with numpy, pandas and seaborn

*Openstreetmap Data Wrangling Project*: [Python] Perform data cleaning and transforming technique to assess the quality of large Openstreetmap XML dataset for validity, accuracy and consistence

## WORK & LEADERSHIP EXPERIENCE

<b>Digital Media Analyst</b> , Shanghai Shengda Network Development Co Ltd– Shanghai	Jun 2014 – Jan 2015
<ul style="list-style-type: none"><li>Increased 35% traffic to website in 3 months through optimizing news titles and content based on customer preference revealed by website background statistics</li><li>Analyzed website and app data on engagement, traffic patterns, browse, and conversion via web analytic tool, Baidu Statistics, to support business decision and optimize advertisement profitability</li><li>Delivered data visualization report to product team and advertisement team to provide digital insights into product performance, site activity, and customer behavior</li></ul>	

<b>Research Analyst</b> , National University Student Innovation Program – Shanghai	Nov 2013 – May 2014
<ul style="list-style-type: none"><li>Applied various environmental statistics sampling methods like diagonal, chessboard to evaluate environmental quality standard of soil samples</li><li>Set up a relationship model between lead in soil and hair by principal component analysis and chart diagram from over 2000 rows of data</li></ul>	

<b>SQL Programmer</b> , SQL Database Course Project – Shanghai	Mar 2013 – Jun 2013
<ul style="list-style-type: none"><li>Designed a Tongji selective course rating platform by SQL database with 4 interactive user windows and 300 rows of various course information</li><li>This SQL project was rated as “A” and recommended by professor to join Shanghai SQL College Contest.</li></ul>	

<b>President</b> , Tongji Tai-Chi Student Club– Shanghai	Oct 2010 – Jun 2012
<ul style="list-style-type: none"><li>Actively contacted different departments and professors and successfully obtained a professional studio for club members to exercise for the first time in club history</li><li>Organized joint event of three traditional culture associations to communicate and deliver live shows</li></ul>	

## SKILLS, ACTIVITIES & INTERESTS

**Language**: Native in Mandarin, Fluent in English

**Excel**: Advanced skills with Excel formulas (logical functions, lookup/reference functions), array function, pivot table, compiling and visualizing data.

**Technical Skills**: Tableau, Stata, MySQL, CloverETL, GoodData, Vertica

**Frameworks/Libraries**: pandas, numpy, seaborn, matplotlib, Git/GitHub

**Interests**: Vipassana meditation (10-day silent retreat), Science Fiction, Traveling (15/23 provinces in China)