

# YUTING GUI

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## EDUCATION

**New York University:** Graduate School of Art and Science New York, NY  
*Master of Science, Data Science* May 2017  
Related courses: Deep Learning, Machine Learning, Big Data, Intro to Data Science, Computing in Finance, Risk and portfolio management

**University of Minnesota, Twin Cities:** College of Science and Engineering Minneapolis, MN  
*Bachelor of Science, Statistics* May 2015  
Major GPA: 3.95/4.0, Cumulative GPA: 3.70/4.0, Dean's List

## SKILLS

**Programming Languages:** Python, Java, Torch(Lua), MySQL, C++, Matlab, R, Stata, SAS  
**Software:** LaTeX, Mathematica, Word, Excel, PowerPoint  
**Languages:** Mandarin (fluent), Japanese (basic)

## RELEVANT EXPERIENCE

**Research Assistant** New York, NY  
*New York University, Stern School of Business* Sep 2015 to present  
• Built big patents network with Java based on 20million connection records  
• Applied breadth first search tree algorithm to compute distance between patents

**Business Intelligence Analyst Intern** Beijing, China  
*17zuoye Corporation* May 2015 to August 2015  
• Developed RStudio on a server, analyzed users credits consumption records with RStudio server and SQL  
• Supported BI group strategy designation and language learning tool development based on RStudio outputs  
• Predicted potential market size for 50 cities based on customer survey

**Research Assistant (under supervision of Prof. Jurg Ott)** Beijing, China  
*Institute of Psychology, Chinese Academy of Sciences* June 2013 to August 2013  
• Used linkage software to do linkage analysis and gene mapping  
• Learned the interaction of disease loci and locate them

## ACADEMIC PROJECTS

*Handwritten Digit Recognition-Mnist*  
• Applied convolutional neural network models on Mnist dataset and got 99.54% accuracy on test set  
• Build the models on Torch(Lua), and run them on CPU and GPU

*Location recommendation for restaurant business holder*  
• Based on restaurants data scratched from Yelp.com, gave location and characteristic recommendation for people who want to start a new restaurant  
• Applied Machine Learning algorithms to predict whether a restaurant will be success in a certain area

*Project in Designing Experiment class*  
• Analyzed the effect of temperature, concentration of oxygen, and ethylene on storage time of bananas  
• Applied complete random design method and set blocks in the experiment

## ADDITIONAL EXPERIENCE

**Peer Learning Consultant** Minneapolis, MN  
*Smart Learning Common, University of Minnesota* January 2014 to May 2015  
• Tutored students in college-level Mathematics, Statistics and Chinese  
• Assisted master and Ph.D. students in various backgrounds interpreting basic statistic theory and creating project proposals  
• Collaborated with peers to publish career guidance manual for consultants to be distributed at annual training  
• Learned professional tutoring methods by attending bi weekly staff meetings that provide opportunities to share tutoring experience

## VOLUNTEER EXPERIENCE

• Volunteer, Student Today Leaders Forever, March 2013  
• Volunteer, Beijing suburbs primary school, recognized with "Great Volunteer" title, April 2012