

YUTING GUI

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EDUCATION

New York University: Graduate School of Art and Science
Master of Science, Data Science
GPA: 3.7/4.0

New York, NY
May 2017

Related courses: Deep Learning, Machine Learning, Big Data, Inference and Representation, Natural Language Processing, Computing in Finance, Risk and portfolio management

University of Minnesota, Twin Cities: College of Science and Engineering
Bachelor of Science, Statistics
Related courses: Time Series, Nonparametric Analysis, Design Experiment

Minneapolis, MN
May 2015

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

Data Scientist Intern

American International Group, Inc.

New York, NY
May 2016 to Aug 2016

- Developed neural network models to auto-evaluate the damage severity of car by scanning car images
- Built relationships between external car damage and internal damage, and predicted the decisions of claims

Technology Journalist, Part-time

Synced Technology Co.

New York, NY
Nov 2016 to present

- Translated and summarized video lecture materials, covering topics in Deep Learning, Reinforcement Learning, Machine Learning and other related areas
- Collected Data Science Meetup information, interviewed with the Meetup speakers

Research Assistant

New York University, Stern School of Business

New York, NY
Sep 2015 to Jan 2016

- 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

17zuoye Corporation

Beijing, China
May 2015 to Aug 2015

- Launched 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

ACADEMIC PROJECTS

Document Learning and Classification with VAE

- Proposed a multi-task model that jointly learn document representation and classification with VAE
- The model outperforms strong baseline in classification and representation tasks with 20News, IMDB, RCV1-v2 datasets

Apparel Classification

- Web scrapped clothing images from Polyvore.com; augmentation of scale, crop and flip are being applied
- Used machine learning method and deep learning method to predict the clothes type(ex. long vs short sleeve)

Location recommendation for restaurant business holder

- Based on restaurants data scrapped 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

ADDITIONAL EXPERIENCE

Peer Learning Consultant

Smart Learning Common, University of Minnesota

Minneapolis, MN
January 2014 to May 2015

- Tutored students in college-level Mathematics, Statistics and Chinese
- 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