YAOHAN KE

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EDUCATION

- ➤ *New York University,* Center for Data Science
  Master of Data Science, 09/2016-06/2018
  - GPA: 3.567 (first semester)
  - Courses: *Introduction to Data Science, Statistical and Mathematical Models, Programming for Data Science, Machine Learning and Computational Statistics, Big Data, Deep Learning*
- ➤ *Xian Jiaotong University,* School of Economics and Finance
  Bachelor of Economics in Statistics (concentration), 09/2011-07/2015
  - GPA: 3.49, Major Ranking: 5/22
  - Core courses: *Probability and Mathematical Statistics, Time Series Analysis, Econometrics, Financial Engineering, Operations Research*
- ➤ *Columbia University,* Visiting Student, 01/2014-05/2014
  Courses: *Multivariate Statistics, Statistic Methods in Finance, and Data Mining*

SKILLS:

- ➤ Computer Skills: Python, MySQL, R, SPSS, EViews
- ➤ Business Skills: Passed CFA level I and eight exams of ACCA
- ➤ Languages: Mandarin (native), English (fluent), Korean (passed Level 5 of TOPIK test)

INTERN EXPERIENCE

- ➤ *Intern, Industrial and Commercial Bank of China Hefei City Branch Chengjian Subbranch, 01/2016-05/2016*
  - Updated the system database with new customers while working in the Personal Loan Department
  - Assisted with checking customers' credit records and filing customers' documents
- ➤ *Intern, Xian Municipal Bureau of Statistics, 06/2014-07/2014*
  - Assisted with designing and collecting survey questionnaires studying Xian citizens' online shopping behavior, and building a prediction model using driving factors such as age, gender, education level, seasonal and holiday effects, types of goods sold, and payment methods
  - Participated in the census survey on labor force demographics

ACADEMIC EXPERIENCE

- ➤ *Course Projects*
  - Implemented semi-supervised learning with Convolutional Neural Networks on MNIST digits data and language modeling with Recurrent Neural Networks on Penn Treebank data using PyTorch
  - Built a recommendation model on the Movielens 10k dataset using collaborative filtering method and particularly the alternating least squares (ALS) algorithm
  - Built a interactive platform for data analytics and visualization of the NYPD Motor Vehicle Collisions data using python
  - Explored text classification and PCA on face images in R
- ➤ *The Indicator Evaluation System for College Coaches Based on Factor Analysis and Analytic Hierarchy Process*
  - Won Successful Participant of the U.S. Mathematical Contest in Modeling 2014
  - Built a mathematical model combining Factor Analysis and Analytic Hierarchy Process to assess the ability of college coaches using KMO and Bartlett's tests for indications of suitability of underlying data for structural detection
- ➤ *The Establishment and Application of Automatic Splicing Model*
  - Won First Prize in Shaanxi Province of the Contemporary Undergraduate Mathematical Contest in Modeling 2013
  - Developed a mathematical model and an algorithm to convert fragmented images into pixel matrices using the projection method

SCHOLARSHIPS AND HONORS

- ➤ Siyuan Scholarship, Xian Jiaotong University, 2013, 2012
- ➤ Excellent Student, Xian Jiaotong University, 2012
- ➤ Outstanding Member, Zonglian College Student Union in Xian Jiaotong University, 2012

INTERESTS:

- ➤ Piano, Traveling