

# Zekun Yang

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## EDUCATION

### City University of Hong Kong, Hong Kong SAR, China

- Ph.D. Candidate in Information Systems Sep 2018 – Now
  - GPA: 4.16/4.30
  - Supervisor: Prof. Juan Feng
  - Relevant Coursework: Design Science Research in Information Systems, Foundations of Information Systems Research, Database Management Systems, Business Data Analytics, Machine Learning for Business Research

### University College London, London, UK

- MSc in Machine Learning Sep 2016 – Nov 2017
  - GPA: Distinction
  - Master Thesis: Non-negative Matrix Factorization for Overlapping Clustering of Customer Inquiry and Review Data, Grade: Distinction, Supervisors: Dr. Edward Challis and Dr. David Barber
  - Relevant Coursework: Advanced Topics in Machine Learning, Applied Machine Learning, Information Retrieval and Data Mining, Machine Vision, Graphical Models, Supervised Learning, Statistical Natural Language Processing, Inverse Problems in Imaging

### Jacobs University Bremen, Bremen, Germany

- BSc in Applied and Computational Mathematics Sep 2013 – Jun 2016
  - GPA: 1.92/1.00 (good, equivalent to upper second-class honors in UK)
  - Specialization in Mathematical Finance
  - Bachelor Thesis: Approximation of Slow Dynamics Using Ramping Procedure, Grade: 1.33/1.00 (very good), Supervisor: Prof. Marcel Oliver
  - Relevant Coursework: Applied Stochastic Processes, Operations Research, Applied Differential Equations and Modeling, Real Analysis, Machine Learning, Principles of Statistical Modeling, Finance, Econometrics

### High School Affiliated to Renmin University of China, Beijing, China

- English Experimental Class and Best Liberal Arts Class Sep 2007 – Jun 2013
  - GPA: 3.9/4.0

## WORK EXPERIENCE

### Department of Information Systems, City University of Hong Kong, Hong Kong SAR, China

- Teaching Assistant of IS5740 Management Support and Business Intelligence Sep 2019 – Now
  - Teaching tutorial sessions and weekly homework grading
- Teaching Assistant of IS2502 Social Media and Social Networks Jan 2019 – Jun 2019
  - Weekly homework grading and answering students' questions in tutorials

### The Bartlett School of Construction and Project Management, University College London, UK

- Research Assistant of Dr. Xuxin Mao Oct 2016 – Jun 2017
  - Text mining and data pre-processing using Python and R

### Fintech Lab, Tsinghua University PBC School of Finance, Beijing, China

- Intern of Quantitative Research Department Jun 2015 – Aug 2015
  - Implementing machine learning and data mining knowledge in the framework of credit risk assessment and evaluation
  - Developing individual credit rating table and credit report for the company of China Data Group
  - Accomplishing the business proposal on individual credit evaluation systems
  - Constructing a debt repayment model for debt collection companies to promote their debt collection process

### Shanghai Institute of Futures and Derivatives, Shanghai Future Exchange, Shanghai, China

- Research Assistant Jun 2014 – Jul 2014
  - Project: Influences of China's Resource Tax Reform on Local Economic Development

### Jacobs University Bremen, Bremen, Germany

- Teaching Assistant of Probability and Random Signal Processing Oct 2015 – Jan 2016
  - Weekly homework grading and holding exam tutorials
- Teaching Assistant of Symbolic Software Lab (Mathematica & LaTeX) Sep 2014 – Nov 2014
  - Weekly homework grading and answering students' questions in lab section

## PUBLICATIONS

- Yang, Zekun and Feng, Juan: A Causal Inference Method for Reducing Gender Bias in Word Embedding Relations, Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI 2020), forthcoming
- Yang, Zekun and Liu, Tianlin: Causally Denoise Word Embeddings Using Half-Sibling Regression, Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI 2020), forthcoming

- Yang, Zekun: Non-negative Matrix Factorization for Overlapping Clustering of Customer Inquiry and Review Data, Proceedings of 2018 10th International Conference on Machine Learning and Computing (ICMLC 2018) (EI indexed), PP 96-101. Published by ACM, ISBN 978-1-4503-6353-2.
- Yang, Zekun; Lin, Fan: Influences of China's Resource Tax Reform on Local Economic Development, Proceedings of 2015 International Conference on Public Administration (ICPA 11th), PP 167-172. ISBN 978-7-5647-2307-1.

#### **AWARDS AND SCHOLARSHIPS**

- Outstanding Academic Performance Award (1000 HKD), City University of Hong Kong (2018 - 2019)
- Research Tuition Scholarship (3508 HKD per month), City University of Hong Kong (2019 - 2020)
- Jockey Club House Active Resident Award (2000 HKD), City University of Hong Kong (2018 - 2019)
- Erasmus+ Scholarship (500 EUR per month), Vrije Universiteit Brussel (2018)
- Merit-based Scholarship (15000 EUR per year), Jacobs University Bremen (2013 - 2016)
- Merit-based Scholarship (1600 USD), Financial Leaders of Tomorrow Summer Program, Tsinghua University PBC School of Finance (2015)
- The Prize of the Erudite and Versatile, High School Affiliated to Renmin University of China (2011)

#### **PC SKILLS**

- Programming language and computational software: Python, C/C++, SQL, MATLAB, Mathematica
- Statistical software: R, SAS, SPSS, Stata
- Advanced knowledge in LaTeX and MS Office

#### **LANGUAGES**

- English: Fluent
- German: Intermediate
- Mandarin Chinese: Native