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: 4.14/4.30
  - 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: Prof. David Barber and Dr. Edward Challis
  - 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

TEACHING EXPERIENCE

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

- Instructor of IS5740 Management Support and Business Intelligence — Sep 2020 – Dec 2020
  - Teaching lecture/tutorial sessions and grading homework weekly
- Instructor of IS5740 Management Support and Business Intelligence — Sep 2019 – Dec 2019
  - Teaching tutorial sessions and grading homework weekly
- Teaching Assistant of IS2502 Social Media and Social Networks — Jan 2019 – Jun 2019
  - Weekly homework grading and answering students' questions in tutorials

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

WORK EXPERIENCE

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

PUBLICATIONS	▪ Yang, Zekun; Feng, Juan: A Causal Inference Method for Reducing Gender Bias in Word Embedding Relations, Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI 2020), PP 9434-9441. ▪ Yang, Zekun; Liu, Tianlin: Causally Denoise Word Embeddings Using Half-Sibling Regression, Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI 2020), PP 9426-9433. ▪ 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 - 2020) ▪ Research Tuition Scholarship (3508 HKD per month), City University of Hong Kong (2019 - 2021) ▪ Jockey Club House Active Resident Award (2000 HKD), City University of Hong Kong (2018 - 2019) ▪ Ph.D. Scholarship funded by University Grants Committee (18210 HKD per month), City University of Hong Kong (2018 - now) ▪ 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)
TRAINING	▪ Short-term Study with ERASMUS+ Scholarship, Information Systems and European Study, Vrije Universiteit Brussel (May - July, 2018) ▪ Duke-Tsinghua Machine Learning Summer School, Duke Kunshan University (Aug. 2016) ▪ Financial Leaders of Tomorrow Summer Program, Tsinghua University PBC School of Finance (June - July, 2015) ▪ Summer School, London School of Economics and Political Science, Microeconomics and Macroeconomics (July - Aug. 2014)
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 (TOEFL: 113, GRE: 321 + 4.0 (Verbal: 154, Quantitative: 167, Writing: 4.0)) ▪ German: Intermediate (B1) ▪ Mandarin Chinese: Native