

LI, Bonald Ziyue

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EDUCATION

THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Hong Kong

Ph.D. of Industrial Engineering and Decision Analytics (expected Aug 2021)

Aug 2017 – Present

- Research Area in data analysis, statistical machine learning, quality management technology
- Awarded Hong Kong Ph.D. Fellowship Scholarship (2017-2021), HKUST Excellent Research Award (2017)
- Served as Vice Minister of English Debating Team: Plan the debating training, arrange debating tournament

XI'AN JIAOTONG UNIVERSITY

Xi'An, China

Bachelor of Engineering in Mechanical Engineering

Sep 2013 – Jun 2017

Bachelor of Economics in Finance

Sep 2014 – Jun 2017

- GPA: 3.8/4.3 Ranking: 6th / 255, Top 5%
- Awarded National Scholarship (2016), National Scholarship for Encouragement (2014, 2015)
- Exchange at **University of New South Wales**, Sydney (2015-2016)

EXPERIENCE

HKUST & Huawei Transfer Learning for Anomaly Detection Project

Hong Kong

First Author and Oral Presenter in INFORMS Annual Meeting (Phoenix, USA)

Jan 2018 – Nov 2018

- Profile Monitoring on time-series data, decomposed it into background, profile deviation, anomaly, noise
- Developed transfer learning model for background and anomaly, based on Bayesian Network Model and Group Lasso respectively; Designed a coordinate descent algorithm for the proposed estimation
- Enhance the anomaly detection accuracy by 30% (evaluated by MSE) compared with traditional method, Reduce the Type I and Type II Error by 46%, which cut down the cost for Huawei by 20%

Global Big Data Competition - JD.com

Beijing, China

Team Leader, National 3rd Prize

Jul 2018 – Aug 2018

- Tempo-Spatial data in Sales Forecast for 1000 products in JD.com covering 5 regions and 2 years' period
- Developed effective feature engineering and representation techniques for predictors time, ID, location, with quantile boosting method in Python, enhanced forecast accuracy by 72%

Hackathon@UST - Uber Smart Transportation

Hong Kong

Team Leader, 1st-Runners-up in Asia Region, Audience ward

Apr 2018

- Developed Facial Recognition Model (based on Microsoft Deep Learning & AI frameworks) to achieve facial car door unlocking, underage driving detection and drowsy driving detection

Belt & Road Justice Hackathon - HK Law Society

Hong Kong

Team Co-Leader, 2nd-Runners-up in Hong Kong

Oct 2018

- Developed APP with Feature-Extracting System from customers' legal problem to get key Tags (based on Cognitive Service), and smart matching system to recommend the most suitable legal resource to user.

DEMO++ & Liuhe Capital

Shanghai, China

Assistant Internet Strategist Intern - Military Intelligence and Fintech

Jul 2017 – Sept 2017

- Researched 20+ military intelligence companies in USA, Israel, China, finished research report on AI & Big Data on military in 8 main fields (mobile forensics, surveillance, computer vision, cyber security)
- Researched 30+ blockchain start-ups and 50+ whitepaper reports, and finished report on blockchain & ICO in 8 fields (including mobile payment, cross-border remittances, IoT, property right protection)

GE

Xi'An, China

Operation Management Intern – Maintenance GE Aviation

Mar 2017 – June 2017

- Developed B/S maintenance system (**C#**) for large complex airplane, and designed whole 4 sub-systems including maintenance demand, standard, execution, knowledge base, based on PDCA quality circle
- Designed execution system using checklist & quality critical control point, cut off misoperation rate by 12%
- Designed the database structure based on M-BOM (**SQL**), including personnel, resources, instructions

PRECORO

Assistant Product Manager Intern - Greater China Market Analysis

Kyiv, Ukraine

Jan 2017 – Feb 2017

- Fast learned knowledge in supply chain management (procurement, logistics, inventory), user interaction
- Deeply research on 7 competitors in Greater China, providing update advices to CEO involving flow design, database structure, user experience, Delighting Needs analysis, and finally 14 of them were adopted

ADDITIONAL INFORMATION

- Skills: Python, R, Matlab, Minitab, C++, C#, MindMap, Office
- Languages: **Mandarin** (Native), **English** (Business Fluent), **German** (Fluent), **Cantonese** (Basic)
- Vice-Chairman of Xi'An JiaoTong University Student Union, held 3 campus events and helped to cultivate 10+ visual designers as the trainer (2015 - 2016)