

Li Tao

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Education

Ph.D candidate in Management (Information Systems)

School of Economics and Management, Tsinghua University, Beijing, China

2014-present

Bachelor of Economics (Finance)

School of Economics, Nankai University, Tianjin, China

2011-2014

Bachelor of Management (Management Information Systems)

College of Management and Economics, Tianjin University, Tianjin, China

Ranked 1/57

2010-2014

Projects and Working Papers

STeP Project

Jan 2016 - present

An adaptive learning system is developed and deployed in Hong Kong University of Science and Technology to help Undergraduate students to learning Calculus effectively. This project is founded by Hong Kong Government and its URL is step.ust.hk.

An improved non-parametric regression algorithm in real-time traffic volume forecasting based on BP neural networks

Summer 2014

Using the BP Neural Networks to decrease the asymmetry of the Nearest Neighbours in Non-Parametric Regression algorithm, and then decrease the deviation of Non-Parametric Regression in Real-time Traffic Volume Forecasting. Awarded as Outstanding Bachelor Thesis in TJU.

Collaborative filtering algorithm based on social network clustering

Summer 2014

An improved collaborative filtering algorithm was proposed by clustering consumer social network, providing more accuracy prediction and up to date recommendations.

Encrypted Instant Messaging System Development

Summer 2013

Developed an Instant Messaging System with MD5 encryption. Kept encryption of instant communication like message chat, video chat and file transfer.

Study on driver's vision recognition in underground road

2012-2013

Supported by China National Student Innovation Training Program, improved the identifiability of traffic signs for drivers in the underground road. In the research, several key factors, that influence the driver's vision recognition to the diverge sign, was extracted by driving simulation.

WEB-based Student Information Management

Autumn 2011

Built a web-based system providing users with student & course information management functionality. Developed SSH based front end and used MySQL as database.

Experience

DIDI - , Beijing China

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Research Assistant in Tsinghua University

Autumn 2014 - Autumn 2015

Work with Professor Sean Xin Xu, and be responsible of system design and programming for online learning project.

Teaching Assistant of Computer Programming

Autumn 2015, Autumn 2016

Be a teaching assistant for this undergraduate-level course on C Programming, and help the instructor in designing assignments and exams, holding office hours, grading assignments and exams.

Teaching Assistant of Data, Models and Decisions

Autumn 2017

Global MBA.

Teaching Assistant of and

Autumn 2017

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Research Assistant in Department of Math, HKUST, Hong Kong

Jan 2016 - present

Work with Professor Ji-shan Hu and Professor Michael Zhang, and be responsible of data analysis for online learning project.

Research Coordinator of UROP project, HKUST, Hong Kong

Jan 2016 - present

Work with Professor Ji-shan Hu, give guide for 5 Undergraduate students to finish their research projects.

Project partner at post-doctoral position, Hitech Investment Corp.

2013-2014

A Financial Crisis and Early Warning System was developed, in order to facilitate SME of financing and risk control.

Manager Assistant Intern at Agricultural Bank of China (Qihe Branch)

Summer 2013

Ensure regulation compliance by assisting manager to organize and verify materials.

Investigator at Tianjin Binhai airport

Autumn 2012

Investigated passenger behaviour in Confined space at Tianjin Binhai Airport and served as team leader.

Presentation

Interleaved learning: A Design Science Approach and Field Experiment , Sun Yat-sen University, Guangzhou, China

April 29, 2018 - April 30, 2018 /

GRANTS

Co-Investigator, Data-Driven Learning Pattern Recognition

The Ministry of Education of China(#15JJD630005), 2016-2017, RMB 150,000(22K USD).

Skills

System design and programming

Some experiences with Java, C++, C# , SQL, Struts2, Hibernate, Spring, HTML, Ajax and et al .
Can become proficient in any of these (or other) languages upon request.

Android App Development

Some experiences with Web-based Android Application design and development.

Data Analysis and Others

Machine Learning, L^AT_EX, SAS, R, Perl, Python, Stata, SPSS, Eviews, Matlab, ...

Awards and Honors

October 2017

21.

Tsinghua's Friend - Zhang Mingwei Scholarship

October 2016

Scholarship given by Mr. Zhang Mingwei, to students who demonstrate excellent in academic.

Zeng Fancheng Scholarship in Tsinghua university

October 2015

Scholarship given by Mr. Zeng Fancheng, TSMC, to postgraduates in school of economics and management who demonstrate excellent in academic .

Outstanding Bachelor Thesis Honor

June 2014

Annual award given to the author of an outstanding thesis for obtaining a Bachelor degree in TJU.

Outstanding Graduates Honor

July 2014

Annual award to the outstanding graduates in TJU.

Merit Student Honor , every year

2011-2014

Annual award given by Tianjin University to excellent student in Study.

SPDB Scholarship , every year

2011-2014

Annual award given by the Shanghai Pudong Development Bank to students who demonstrate excellence in Academic.

P&G Technical Challenge Award

April 2012

A competition held by P&G to select and foster college students with leadership and management quality, as well as creative thoughts and innovation ability.

Outstanding League Cadres Honor

May 2011

Annual award given by Tianjin University to league cadres who demonstrate outstanding contributions to serving students and excellence in leadership.