

Titing Cui

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EDUCATION

Ph.D., Business Analytics and Operations, University of Pittsburgh, Expected 2024

Master, Applied and Computational Mathematics, KTH Royal Institute of Technology, Sweden, 2019

Bachelor, Mathematics and Applied Mathematics, Zhejiang University, China, 2017

RESEARCH EXPERIENCE

Researcher, Zhejiang University of Finance & Economics, 2017 – 2019

A project about interactions between the VC's investment and supply chain operational decisions is ongoing.

Formed a paper about solving bilevel optimization problems with the hybrid differential evolutionary algorithm.

Junior Research Assistant, The Chinese University of Hong Kong, 2018.07 - 2018.09

Proposed two corollaries to improve the performance of a heuristic algorithm for the path and speed planning problem of heavy-duty trucks.

Formed a thesis about the platooning problem of two trucks, which will be submitted to conference e-Energy ACM.

Research Assistant, Zhejiang University, 2016.10 – 2017.03

Simulated the fractional Brownian motion with MATLAB.

Provided numerical simulation for the proposed least square estimator of the fractional Vasicek processes.

Student Research Training Program, Zhejiang University, 2015.04 – 2016.04

Studied the time series analysis and R programming skills.

Analyzed the transaction data from a bank for about three years.

Proposed a prediction model for the future amount of transaction.

INTERNSHIP AND WORK EXPERIENCES

Algorithm Engineer Intern at A C Orange Corporation, Shenzhen, China, 2015.07-2015.09

Participated in the development of statistic system and big data technology.

Responsible for data extraction, cleaning, transformation, and analysis.

Provided data support services for business operation.

AWARDS AND HONORS

Rockwell Foundation Fellowship, 2019

KTH Scholarship, 2017

Outstanding Graduate Thesis, 2017

Certificate of Achievement Honorable Mention, The Mathematics Contest in Modeling (MCM), 2016

National Encouragement Scholarship, Zhejiang University 2014

RELEVANT SKILLS

Programming languages and mathematics packages: C, C++, Matlab, R

Data processing and website design: MySQL, Microsoft SQL Server 2008, C#

High quality typesetting systems: LaTeX, CTeX

ACTIVITIES

Member of Student Union of Mathematics Department, Zhejiang University.

PERSONAL INTERESTS

Tennis, Badminton, Swimming.

REFERENCES

References available upon request.