Zedong Wang

Cell: (+1)(470)-435-0816   E-mail: zwang3524@gatech.edu

EDUCATION

Georgia Institute of Technology, PhD. Operations Research   Sep. 2024 – Present

Advisor: Prof. Siva Theja Maguluri

Shanghai Jiao Tong University (SJTU), B.S.   Sep. 2020 – June 2024

Major: Industrial Engineering (GPA: 89.9/100, Ranking: 4/62) **Minor**: Finance

ACADEMIC ACHIEVEMENTS

ISyE Stewart Fellowship   2024

He Pengnian Talent Scholarship (4/482)   2021 and 2022

PRE-PRINTS and SUBMISSIONS

Tail Bounds for Queues with Abandonment: Efficient Concentration, Moderate Deviation and Large Deviation

- *Zedong Wang*, Siva Theja Maguluri
- Submitted to ACM Sigmetrics

SGD with constant step sizes – rate of convergence to Gaussian

Yuyang Wang, Felix Wang, *Zedong Wang*, Siva Theja Maguluri   [Outcome of Mentoring Undergrads]

RESEARCH MENTORING

Research Experiences for Undergraduates (REU)   May. 2025-Present

- Yuyang Wang, Undergraduate Student, Math, University of Michigan, Ann Arbor
- Felix Wang, Undergraduate Student, Math & Computer Science, Georgia Institute of Technology

TEACHING

Teaching Assistantship

ISyE 2027 – Probability with Applications   Instructor: Robert Foley (Fall 2024), Damon Williams (Spring 2025)

ISyE 3770 – Statistics & Applications   Instructor: Haoyun Deng (Summer 2025)

INVITED TALK & POSTER PRESENTATION

Tail Bounds for Queues with Abandonment: Efficient Concentration, Moderate Deviation and Large Deviation

- Poster Presentation at INFORMS APS Conference 2025

PROFESSIONAL EXPERIENCE

Operations Research Analyst Intern, *Shenzhen Shokz Co., Ltd*   July 2023-Sep. 2023

- Utilized time series and frequency analysis in feature engineering to perform fault prediction diagnosis on welding machines using Ensembled Machine Learning, achieving an industry-level accuracy of over 95%

Futures Quantitative Research Intern, *Causis Investment Corporation*   June 2022-Sep. 2022

- Enhanced annual returns by 2.63% while maintaining daily volatility by designing a multi-factor inventory strategy based on factory, societal, and port inventories datasets. Utilized RankIC and statistical tests for factor selection

PROFESSIONAL SERVICES

Reviewer: Naval Research Logistics (NRL)

COURSEWROKS

Optimization: Linear Optimization, Nonlinear Optimization, Advanced Combinatorial Optimization

Stochastics: Stochastic Processes I, Stochastic Processes II

SKILLS

Tools: LaTeX, Stata, Minitab/Excel VBA, Gurobi, Cplex, Anylogic, Arena

Programming Languages: C/C++, Python, Julia, SQL, MATLAB, R