

EDUCATION

Georgia Institute of Technology , Atlanta, GA PhD Student in Operations Research Advised by Guanghui (George) Lan	Present
Johns Hopkins University , Baltimore, MD Master of Science and Engineering in Applied Mathematics and Statistics Thesis: <i>First-Order Methods for Nonsmooth Nonconvex Functional Constrained Optimization with or without Slater Points</i> Advised by Benjamin Grimmer	Dec. 2022
Sun Yat-Sen University , Guangzhou, China Bachelor of Science in Information and Computing Science Thesis: <i>On an FFHE-Inspired Method for Effectively Solving Differential Riccati Equations</i> Advised by Tao Wang	Jun. 2021

PAPERS IN PROGRESS

“Nearly Optimal L_p Risk Minimization” Z. Jia , Guanghui Lan, Zhe Zhang	2024
“First-Order Methods for Nonsmooth Nonconvex Functional Constrained Optimization with or without Slater Points” Z. Jia , Benjamin Grimmer	2022
“Switch Updating in SPSA Algorithm for Stochastic Optimization with Inequality Constraints” Z. Jia , Ziyi Wei, James C. Spall	2022

PUBLICATIONS

“Goldstein Stationarity in Lipschitz Constrained Optimization” Benjamin Grimmer, Z. Jia	Optimization Letters 2023
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PATENTS

“Mechanical Arm Motion Planning Method based on Fast and Flexible Full-Pure Embedding Thought” China Patent 202110154750.4 Tao Wang, Yuning Ding, Z. Jia , Zi’ang Fang	Issued 02/04/2021
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ACADEMIC SERVICE

Journal Review:
Computational Optimization and Applications
Journal of Optimization Theory and Applications
Mathematical Programming
Optimization Letters

AWARDS

JHU Applied Mathematics and Statistics Master’s Research Award	Apr. 2023
Ranked 6th in Datathon@LISH	Feb. 2022
Third Prize in China Undergraduate Mathematical Contest in Modeling (top 40%)	Sept. 2019

SKILLS

Languages: Chinese-Mandarin (native), English (fluent)
Programming: C, C++, Python, Matlab, SQL, R