Yixuan Hua

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Education

Princeton University, Princeton, NJ, United States   Aug 2022 - Present

Ph.D. in Operations Research & Financial Engineering

Advisor: Amir Ali Ahmadi, Bartolomeo Stellato

Peking University, Beijing, China   Sep 2018 - July 2022

B.S. in Mathematics, Overall GPA: 3.82/4.0, Major Rank: 5/37

Advisor (undergraduate research): Zaiwen Wen

Professional Experience

Flexcar   Boston, MA

Strategic Intern – Finance   June 2025 - Aug 2025

Publications

Journal Articles

Y. Wang, **Y. Hua**, E. J. Candès and M. Pilanci, "Overparameterized ReLU Neural Networks Learn the Simplest Model: Neural Isometry and Phase Transitions," in IEEE Transactions on Information Theory, doi: 10.1109/TIT.2025.3530355.

Working Papers

A. A. Ahmadi, S. Dash, **Y. Hua**, B. Stellato. Disjunctive Sum of Squares

Mathematical Programming (to be submitted)

Talks

"Disjunctive Sum of Squares"

INFORMS at Seattle, 2024

ICCOPT at University of Southern California, 2025

Honors and Awards

Merit Student, 2018-2019 academic year

The Suzhou Industrial Park Scholarship, 2018-2019 academic year

First Prize, The Jiang Zehan Mathematical Contest in Modeling, 2019

First Prize, The Mathematics Competition of Chinese College Students, 2019

First Prize in Zhejiang Province, National High School Mathematics League, 2016 & 2017

Silver Medal, China Mathematics Olympiad, 2016

Skills

Programming: Python, R, MATLAB