

# Yixuan Hua

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## Education

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**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

## Publications

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### Journal Articles

Y. Wang, **Y. Hua**, E. J. Candès, M. Pilanci. Overparameterized ReLU Neural Networks Learn the Simplest Models: Neural Isometry and Exact Recovery. *arXiv preprint (2022) arXiv:2209.15265*.  
*IEEE Transactions on Information Theory (under review)*

### Working Papers

A. A. Ahmadi, S. Dash, **Y. Hua**, B. Stellato. Disjunctive Sum of Squares  
*Mathematical Programming (to be submitted)*

## Talks

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“Disjunctive Sum of Squares”  
INFORMS at Seattle, 2024

## Teaching Experiences

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Convex and Conic Optimization Spring 2024  
Professor: A. A. Ahmadi

Computing and Optimization for the Physical and Social Sciences Fall 2023, 2024  
Professor: A. A. Ahmadi

## Honors and Awards

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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

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Programming: Python, R, MATLAB