

Wenjie Zhang

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EDUCATION

University of Minnesota, Twin Cities

Ph.D. in Computer Science | Advisor: *Prof. Ju Sun*

Minneapolis, MN, USA

Jan 2024 - Present

University of Minnesota, Twin Cities

M.Sc in Data Science | Advisor: *Prof. Ju Sun*

Minneapolis, MN, USA

Aug 2020 - Jan 2024

○ GPA 4.0/4.0

Stony Brook University

B.Sc in Applied Mathematics and Statistics

B.A in Economics

Minor in Computer Science and Music

Stony Brook, NY, USA

Jan 2017 - May 2020

○ GPA: 3.87/4.00

Research Interests

AI for Science, Optimization for AI, Computer Vision and X

Publications

- [1] **Wenjie Zhang**, Yuxiang Wan, Zhong Zhuang, Ju Sun. *What is Wrong with End-to-End Learning for Phase Retrieval?* Electronic Imaging 2024. [[arXiv version](#)]
- [2] **Wenjie Zhang**, Buyun Liang, Hengyue Liang, Tim Mitchell, Ying Cui, Ju Sun. *NCVX: A General-Purpose Optimization Solver for Machine Learning, and Practical Techniques*. In preparation for IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI). [[website](#)]
- [3] Chuan He, Ryan Devera, **Wenjie Zhang**, Ying Cui, Zhaosong Lu, Ju Sun. *Deep Learning with Nontrivial Constraints: Methods and Applications*. In preparation for International Joint Conferences on Artificial Intelligence (IJCAI).
- [4] Hengyue Liang, Buyun Liang, **Wenjie Zhang**, Le Peng, Ying Cui, Tim Mitchell, Ju Sun. *Optimization and Optimizers for Adversarial Robustness*. In preparation for International Journal of Computer Vision (IJCV).

TEACHING EXPERIENCE

Computer Science

Graduate Teaching Assistant

University of Minnesota

○ CSCI 2033: Elementary Computational Linear Algebra | Instructor: *Prof. Ju Sun*

Spring 2023

○ CSCI 5523: Introduction to Data Mining | Instructor: *Dr. Michael Steinbach*

Fall 2023

○ CSCI 5451: Introduction to Parallel Computing | Instructor: *Prof. George Karypish*

Fall 2023

Information and Decision Science

Graduate Teaching Assistant | Instructor: *Prof. Teng Ye*

University of Minnesota

○ MABA 6411: Exploratory Data Analytics

Fall 2021

○ MSBA 6410: Exploratory Data Analytics and Visualization

Spring 2022

Applied Math and Statistics

Undergraduate Teaching Assistant | Instructor: *Prof. Tyler Mayer*

Stony Brook University

○ AMS 318: Financial Mathematics

Spring 2018

HONORS & AWARDS

- Dean's List | Stony Brook University 2017 - 2020
- Summa Cum Laude | Stony Brook University 2020

SKILLS

Programming Languages: Python, C/C++, C#, Java, \LaTeX , HTML/CSS, JavaScript, Matlab, R, Bash