Wenjie Zhang

✉ zhan7867@umn.edu • 🌐 Wenjie-Zhang08.github.io • Ⓖ Google Scholar

EDUCATION

University of Minnesota, Twin Cities   **Minneapolis, MN, USA**
Ph.D. in Computer Science | Advisor: Prof. Ju Sun   *Jan 2024 - Present*

University of Minnesota, Twin Cities   **Minneapolis, MN, USA**
M.Sc in Data Science | Advisor: Prof. Ju Sun   *Aug 2020 - Jan 2024*
○ GPA 4.0/4.0

Stony Brook University   **Stony Brook, NY, USA**
B.Sc in Applied Mathematics and Statistics   *Jan 2017 - May 2020*
B.A in Economics
Minor in Computer Science and Music

○ 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, **Wejie 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   **University of Minnesota**
Graduate Teaching Assistant
○ 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   **University of Minnesota**
Graduate Teaching Assistant | Instructor: Prof. Teng Ye
○ MABA 6411: Exploratory Data Analytics   Fall 2021
○ MSBA 6410: Exploratory Data Analytics and Visualization   Spring 2022

Applied Math and Statistics   **Stony Brook University**
Undergraduate Teaching Assistant | Instructor: Prof. Tyler Mayer
○ AMS 318: Financial Mathematics   Spring 2018

HONORS & AWARDS

o **Dean's List** | **Stony Brook University**   2017 - 2020

o **Summa Cum Laude** | **Stony Brook University**   2020

SKILLS

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