

# Yuanshuo Zhang

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## EDUCATION

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### Xidian University

Xi'an, P.R. China

B.Eng. of Electronic Engineering  
GPA: 3.8/4.0; Rank: top 10%

Sept 2021 - present

#### Selected courses:

Advanced Mathematics A(I) 91	Linear Algebra 97	Probability and Statistics 94
Advanced Mathematics A(II) 95	Data Structure 95	Random Signal Analysis 98
Advanced Programming 100	Digital Signal Processing 94	Field Theory and Complex Functions 100

## RESEARCH EXPERIENCE

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### ERASE AI Research

Apr 2023 - present

#### Co-founder

- Undertaking research on graph representation learning against label noise.
- Developing trustworthy and robust graph algorithms.

## RESEARCH TOPICS

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### Error-Resilient Representation Learning on Graphs for Label Noise Tolerance

Apr 2023 - Nov 2023

#### Co-first author

**KDD-2024 under review**

Advisor and Co-author: [Ling-Hao CHEN](#), Tsinghua University.

- Investigated the failure of robust node classification methods on graphs against label noise, pioneering error-resilient learning mechanism.
- Proposed a novel and effective framework for robust representation learning on graphs. We introduced an error-resilient principle for label noise tolerance and specifically designed decoupled label propagation for node classification.
- Conducted extensive experiments across representative graph datasets, especially large-scale datasets, demonstrating the superiority of our method over the state-of-art methods.

## HONORS AND AWARDS

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| • Second Prize Scholarship, Xidian University   | Oct 2023 |
| • Honorable Mention, International Mathematical Contest in Modeling (MCM/ICM)                 | May 2023 |
| • First Prize, China Undergraduate Mathematical Contest in Modeling, Shaanxi province (CUMCM) | Nov 2022 |
| • Third Prize, Chinese Mathematics Competition  | Nov 2022 |
| • Second Prize Scholarship, Xidian University   | Oct 2022 |

## SKILLS SUMMARY

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- **Programming Languages:** Python, C/C++, Matlab, L<sup>A</sup>T<sub>E</sub>X.
- **Frameworks:** PyTorch, NumPy, PyG.
- **Code management:** Git, Github.

## STUDENT EXPERIENCE

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| • <b>Xidian University Inspur Student Club</b><br>Responsibility: Technology Department Director   | Xi'an, P.R. China<br>May 2023 - Present  |
| • <b>Xidian University Machine Learning and Data Mining Group.</b><br>Responsibility: Mentor and researcher of the Machine Learning and Data Mining Group. | Xi'an, P.R. China<br>Sept 2023 - Present |