

Jingjun Xu

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EDUCATION

- **Southern University of Science and Technology** Aug 2022 - Current
Shenzhen, China
Bachelor's Degree in Information Engineering (Minor in Finance)
 - GPA: 3.89/4.00, Weighted Average Score: 93.82/100
 - Core Courses: Fundamentals and Methods of Deep Learning (99), AI and Machine Learning (95), Artificial Intelligence and Its Application in Finance (97), Data Structures and Algorithm Analysis (95)
- **Stanford University** June 2024 - Aug 2024
Palo Alto, USA
2024 Summer Session
 - GPA: 3.887/4.000

RESEARCH EXPERIENCE

- **UIUC | Prof. Jiaxuan You | Research Intern** June 2025 - Sep 2025
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Key Words: Research Data Integration, Graph Neural Networks, Large Language Models
 - Developed a graph interface for academic tasks.
 - An interface that utilizes a coherent multi-table format with graph structures to organize academic data with multiple modalities from different sources.
 - Co-first paper submitted to ICLR 2026.
- **USTC & NUS (NExT++) | Prof. An Zhang | Research Intern** Feb 2025 - Current
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Key Words: Safety Alignment, Large Reasoning Models, Activation Steering
 - Developed an activation steering-based method to safeguard LRM.
 - An algorithm that identifies the direction of the aha-moment in LRM and intensifies it through the modification of their representation space.
 - Co-first paper in preparation.
- **SUSTech | Prof. Zhiyun Lin | Undergraduate Researcher** Mar 2024 - Mar 2025
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Key Words: Graph Neural Networks, Sensor Networks, Localization Algorithm
 - Developed a GNN-based algorithm for collaborative localization in layout-agnostic sensor networks.
 - An algorithm that integrates a message-passing mechanism with a correlation-based refinement strategy.
 - First-author publication at the IFAC Conference on Networked Systems 2025 (Young Author Award Finalist, Oral Presentation).

PUBLICATIONS & PREPRINT

C=CONFERENCE, J=JOURNAL, P=IN PREPARATION, S=IN SUBMISSION, T=THESIS

- [C.1] J. Xu, Z. Lin, **Graph Neural Network based Localization for Layout-Agnostic Sensor Networks**. In *Proceedings of the 10th IFAC Conference on Networked Systems (NECSYS 2025)*. IFAC-PapersOnLine, 59(4), 25-30.
- [S.1] J. Xu*, C. Lin*, H. Yu, T. Feng, J. You. **ResearchArcade: Graph Interface for Academic Tasks**. Submitted to ICLR 2026.
- [P.1] J. Zheng*, J. Xu*, C. Cui, W. Zhao, Z. Liang, A. Zhang, TS. Chua. **Self-Guard: Defending Large Reasoning Models via Enhanced Self-Reflection**. Manuscript in Preparation.

SKILLS

- **Languages:** English [TOEFL: 112 (R29; L28; S28; W27)], Chinese Mandarin [Native], Chinese Cantonese [Native]
- **Technical:** Python, C++/C, MATLAB
- **Interests:** Guitar, Street Dance (Hip-Hop, Locking), Photography

HONORS AND AWARDS

- **Young Author Award Finalist (Top 5)** June 2025
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International Federation of Automatic Control
- **Title of Outstanding Students and Scholarships in SUSTech (Top 5%)** 2023 - 2025
Southern University of Science and Technology
Southern University of Science and Technology
- **Second Prize of National Mathematics Competition for College Students** Nov 2024
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Chinese Mathematical Society