

Jiancheng Zhang

CONTACT INFORMATION

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GitHub: <https://github.com/JianchengZ>
Google Scholar: <https://scholar.google.com/citations?hl=en&user=tIKc8voAAAAJ>

BIO

Jiancheng Zhang is a Ph.D. student in the Department of Electrical and Computer Engineering at the University of California, Riverside. He is a first-year Ph.D. student under the supervision of Prof. Yinglun Zhu. He completed his B.E. degree at Shandong University in 2024. He received numerous honors and awards including the UCR Dean’s Distinguished Fellowship in 2024, xxx. For further information, please visit his website: <https://jianchengz.github.io/>.

POSITIONS

Research Assistant, Ph.D., University of California, Riverside
Department of Electrical and Computer Engineering

Sep 2024–Present

EDUCATION

University of California, Riverside
Doctor of Philosophy (Ph.D.)

- Advisor: Prof. Yinglun Zhu
- Research areas: Active Learning

Sep 2024-Present

Shandong University
Bachelor of Engineering (B.E.)

- Advisor: Prof. Yonghui Xu
- Research areas: Self-Supervised Learning, Explainable AI, Computational Biology.

Sep 2020-Jun 2024

RESEARCH EXPERIENCE

Yinglun Zhu Lab, University of California, Riverside
Ph.D. Program, Research/Teaching Assistant

- Research Interests: Active Learning
- Publications:
- Mentor/Advisor: Prof. Yinglun Zhu

Sep 2024-Present

Mingtao Xia Lab, New York University
Undergraduate Researcher(Remote)

- Project: Applying Wasserstein-distance-based UQ methods to reconstruct gene regulatory dynamics. [\[paper\]](#)
- Mentors: Dr. Mingtao Xia

Feb 2023 - May 2024

Yonghui Xu Lab, Shandong University
Undergraduate Researcher

- Project: Designing the explainable and data-augmented representation learning for health-care. [\[paper\]](#)
- Mentors: Prof. Yonghui Xu

Jul 2021 - Feb 2023

HONORS & AWARDS

- UCR Dean’s Distinguished Fellowship2024
- First Prize of Shandong, National Mathematical Modeling Contest2021

PUBLICATIONS Please refer to the symbols below to indicate different author types in the lists:

#	denotes equal contribution
*	denotes corresponding authors
†	denotes graduate student mentored by Jiancheng Zhang
††	denotes undergraduate researcher/intern mentored by Jiancheng Zhang

Conference Papers (acceptance based on peer review of full paper)

- [C1] **Jiancheng Zhang**, Xiao Yang, Hefeng Meng, Zhiqiang Lin, Yonghui Xu*, Lizhen Cui*. "A Survey on Knowledge Enhanced EHR Data Mining." In 5th International Conference on Crowd Science and Engineering (ICCSE'21), 2021.
[\[paper\]](#)

Journal Papers

- [J1] **Jiancheng Zhang***, Yonghui Xu*, Bicui Ye, Yibowen Zhao, Xiaofang Sun, Qi Meng, Yang Zhang*, Lizhen Cui. "EAPR: explainable and augmented patient representation learning for disease prediction." Health Information Science and Systems, 2023.
[\[paper\]](#)

Book Chapters

Preprints and Submissions

- [P2] **Jiancheng Zhang**[#], Xiangting Li[#], Xiaolu Guo[#], Zhaoyi You, Lucas Böttcher, Alex Mogilner, Tom Chou*, Alexander Hoffmann, Mingtao Xia*. "Reconstructing Noisy Gene Regulatory Dynamics Using Extrinsic-Noise-Driven Neural Stochastic Differential Equations." 2025.
[\[paper\]](#)
- [P1] Zexin Li[#], **Jiancheng Zhang**[#], Yufei Li, Yinglun Zhu*, Cong Liu*. "MIX-TRAINING: A Better Trade-Off Between Compute and Performance." 2025.
[\[paper\]](#)

SYMPOSIUMS / WORKSHOPS xxx

TUTORIALS xxx

OPEN SOURCE PROJECTS xx

TALKS xx

PROPOSAL WRITING xx

MENTORING **B.S. Student**

- Fuzhi Tang, Computer Science and Technology (Taishan College), Shandong University Feb 2025 - Present

**TEACHING
EXPERIENCE**

Teaching Assistant, Department of Electrical and Computer Engineering

- EE 114: Probability, Random Variables, and Random Processes in Electrical Engineering

**EXTERNAL
SERVICES****Conference (Sub-)Reviewer**

- International Conference on Learning Representations (ICLR)

2025

**VOLUNTEER
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