

Jiancheng Zhang

CONTACT INFORMATION

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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. For further information, please visit his website: <https://jianchengz.github.io/>.

POSITIONS

Research Assistant, Ph.D., University of California, Riverside Sep 2024–Present
Department of Electrical and Computer Engineering

EDUCATION

University of California, Riverside
Doctor of Philosophy (**Ph.D.**) Sep 2024-Present

- Advisor: Prof. Yinglun Zhu
- Research areas: Active Learning, Large Language Models

Shandong University
Bachelor of Engineering (**B.E.**) Sep 2020-Jun 2024

- Advisor: Prof. Yonghui Xu
- Research areas: Self-Supervised Learning, Explainable AI, AI4Science.

RESEARCH EXPERIENCE

Yinglun Zhu Lab, University of California, Riverside Sep 2024-Present
Ph.D. Program, Research/Teaching Assistant

- Research Interests: Active Learning, Large Language Models
- Mentor/Advisor: Prof. Yinglun Zhu

Mingtao Xia Lab, New York University Feb 2023 - May 2024
Undergraduate Researcher(Remote)

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

Yonghui Xu Lab, Shandong University Jul 2021 - Feb 2023
Undergraduate Researcher

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

HONORS & AWARDS

- UCR Dean’s Distinguished Fellowship 2024
- First Prize of Shandong, National Mathematical Modeling Contest 2021

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)

- [C2] Hefeng Meng, Zhiqiang Lin, Fan Yang, **Jiancheng Zhang**, Wei He, Yonghui Xu*, Lizhen Cui*. "Knowledge Distillation In Medical Data Mining: A Survey." In 5th International Conference on Crowd Science and Engineering (ICCSE'21), 2021.
[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 Regulation 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

TUTORIALS

OPEN SOURCE PROJECTS

TALKS

PROPOSAL WRITING

**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 Machine Learning (ICML) 2025
- International Conference on Learning Representations (ICLR) 2025
- Conference on Language Modeling (COLM) 2025

**VOLUNTEER
-ING**
