

Chao Lan



Lan, Chao

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I am an assistant professor in the [School of Computer Science](#), [Gallogly College of Engineering](#), at the [University of Oklahoma](#) (OU). I am also affiliated with the [Data Science Analytics Institute](#) at OU.

I work on machine learning. My primary research interest is to explore (provable) properties of a learning task and exploit them to better understand or improve task efficiency and trustworthiness. My current research focuses on designing, analyzing and applying randomized learning algorithms.

I received my Ph.D. degree from the [University of Kansas](#). Here is my [CV](#).

What's New

09/2025: Luyuan will serve as reviewers for ICLR'26 and AISTATS'26.

02/2025: I'll serve as an Area Chair for NeurIPS'25.

12/2024: Two papers accepted by ICASSP'25. Congrats to Yiting, Jacob, Shayan and Luyuan!

12/2024: I'll serve as an Area Chair for ICML'25 and SPC for PAKDD'25.

06/2024: Luyuan received the Gallogly College of Engineering Scholarship.

03/2024: I'll serve as an Area Chair for NeurIPS'24.

Research Work on Randomized Learning

Efficient Data-Dependent Random Projection for Least Square Regressions

Jacob Sturges, Luyuan Yang, Shayan Shafaei and Chao Lan

International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2025

Efficient Estimation of Kernel Matrix Spectral Norm based on Random Features

Yiting Cao, Shayan Shafaei, Luyuan Yang and Chao Lan

International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2025

A Model-Agnostic Randomized Learning Framework via Random Hypothesis Subspace Sampling

Yiting Cao and Chao Lan

International Conference on Machine Learning (ICML), 2022

Other Selected Work

Active Approximately Metric-Fair Learning

Yiting Cao and Chao Lan

Conference on Uncertainty in Artificial Intelligence (UAI), 2022

Towards a Theorectical Understanding of Negative Transfer in Collective Matrix Factorization

Chao Lan, Jianxin Wang and Jun Huan

Conference on Uncertainty in Artificial Intelligence (UAI), 2016

Ph.D. Students

Shayan Shafeei, 2022-

Luyuan Yang, 2023-

* To OU students: if you are interested in doing research with me, please take CS 4013 first.

Recent Teaching

Spring 2025. CS2813: Discrete Structures

Fall 2024. CS4033/5033: Machine Learning Fundamentals

Fall 2024. CS4013/5013: Artificial Intelligence

Recent Service

Area Chair: NeurIPS'24-25, ICML'25

Senior PC: PAKDD'25-26

Reviewer: ICML'24, UAI'24, NeurIPS'23, AISTATS'23.

Associate Editor: ACM Transactions on Probabilistic Machine Learning

Honors

Top Reviewer: UAI'23, AISTATS'23, NeurIPS'22, AAAI'21

Distinguished Lecture, NSF NRT@KU, 2021

Distinguished Paper Award, ACSAC, 2021

NSF CRII Award, 2019

UAI Scholarship, 2016

Data Science Summer Institute Scholarship, UIUC, 2012

Contact

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