

Xin Zou

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Education

PhD's degree in Computer Science and Technology

PhD's degree program

Average Score: 91.1

Wuhan University of China

September 2021 - June 2026

Bachelor's degree in Software Engineering

Bachelor's degree program

GPA: 3.897/4.0

Wuhan University of China

September 2017 - June 2021

Research Interests

Statistics Learning Theory

Generalization Theory

Trustworthy Machine Learning

Representation Learning

PAC Learning, Online Learning.

Uniform Convergence, Stability, Feature Learning.

Adversarial Robustness, Out-of-distribution Generalization.

Contrastive Learning

Publications

A Online Statistical Framework for Out-of-Distribution Detection

Xinsong Ma, Xin Zou, Weiwei Liu

In ICML 2025

A Boosting-Type Convergence Result for AdaBoost.MH with Factorized Multi-Class Classifiers

Xin Zou, Zhengyu Zhou*, Jingyuan Xu, Weiwei Liu*

In NeurIPS 2024

Residual network with self-adaptive time step size

Xiyuan Li, Xin Zou, Weiwei Liu

In Pattern Recognition 2024

A Provable Decision Rule for Out-of-Distribution Detection

Xinsong Ma, Xin Zou, Weiwei Liu

In ICML 2024

Coverage-Guaranteed Prediction Sets for Out-of-Distribution Data

Xin Zou, Weiwei Liu

In AAAI 2024

On the Adversarial Robustness of Out-of-distribution Generalization Models

Xin Zou, Weiwei Liu

In NeurIPS 2023

Generalization Bounds for Adversarial Contrastive Learning

Xin Zou, Weiwei Liu

In JMLR 2023

Defending Against Adversarial Attacks via Neural Dynamic System

Xiyuan Li, Xin Zou, Weiwei Liu

In NeurIPS 2022

Research Grants

The National Natural Science Foundation of China

The Youth Talents Support Project

Fundamental Research Project for
Young Professional
Doctoral Student Special Program

Professional Services

Conference Reviewer	ICML, NeurIPS, ICLR, AAAI, IJCAI, AISTATS
Journal Reviewer	TNNLS, TMLR, Neurocomputing

Honors and Awards

Lei Jun Breakthrough Scholarship	2025
National Scholarship (For Ph.D. students)	2024
“Huawei” Scholarship	2023
Outstanding Student Scholarship, Wuhan University	2018-2020, 2023-2024
National Scholarship (For Undergraduate students)	2018

Language proficiencies

English	Keep learning
Chinese	Native speaker