

Zhanpeng Zhou

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EDUCATION

Shanghai Jiao Tong University

Ph.D. Computer Science, advised by Prof. Junchi Yan

Shanghai, China

Sep 2022 – June 2027 (Expected)

Shanghai Jiao Tong University

B.S. Electrical And Computer Engineering , Minor in Data Science

Shanghai, China

Sep 2018 – Aug 2022

- Course Works: Probability Methods in Eng. (A+), Methods of Applied Math (A+), Bayesian Analysis (A)

PUBLICATIONS

Explaining Representation Bottlenecks of Convolutional Decoder Networks

ICML 2023

Ling Tang, Wen Shen, Zhanpeng Zhou, Quanshi Zhang

Can We Faithfully Represent Absence States to Compute Shapley Values on a DNN?

ICLR 2023

Jie Ren, Zhanpeng Zhou, Qirui Chen, Quanshi Zhang

A Unified Game-Theoretic View of Adversarial Perturbations and Robustness

NeurIPS 2021

Jie Ren, Die Zhang*, Yisen Wang*, Lu Chen, Zhanpeng Zhou, Xu Cheng, Xin Wang, Yiting Chen, Jie Shi, Quanshi Zhang*

WORKING PAPERS

Going Beyond Linear Mode Connectivity: Layerwise Linear Feature Connectivity

In Submission

Zhanpeng Zhou, Yongyi Yang, Xiaojiang Yang, Junchi Yan, Wei Hu

Batch Normalization Is Blind to the First and Second Derivatives of the Loss

In Submission

Zhanpeng Zhou, Wen Shen, Huixin Chen, Ling Tang, Quanshi Zhang

RESEARCH EXPERIENCE

National Institute of Informatics

Research Intern, Advisor: Dr. Mahito Sugiyama

Tokyo, Japan

Sep 2023 – March 2024

MILA (founded by Yoshua Bengio), HEC Montréal

Research Intern, Advisor: Dr. Jian Tang (CIFAR Chair)

Montreal, Canada

Mar 2021 – Jun 2021

SELECTED AWARDS AND HONORS

2022 May. Outstanding Graduate Student, Shanghai Jiao Tong University

2021 Dec. Pu Yuan Future Talents Scholarship, Shanghai Jiao Tong University

2021 Nov. Yu Liming Scholarship, Shanghai Jiao Tong University

2020 Nov. John Wu & Jane Sun Excellence Scholarship, Shanghai Jiao Tong University

2019 Dec. First prize of Midea Innovation Competition, Midea Inc.

2019 Aug. Best Technology Award in Summer Design Expo, Shanghai Jiao Tong University

2019 May. First Prize of Freshman Robotics Competition, Shanghai Jiao Tong University

SERVICES

Conference Reviewer: ICML 2022, NeurIPS (2022-2023), ICLR 2024

Journal Reviewer: T-PAMI, Intelligent Computing

TEACHING EXPERIENCE

FA. 2021: Bayesian Analysis (VE414), Teaching Assistant, Shanghai Jiao Tong University

SU. 2021: Probabilistic Methods in Eng. (VE401), Teaching Assistant, Shanghai Jiao Tong University