

YIXIN CHEN

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Bachelor Candidate, Zhejiang University

EDUCATION

Zhejiang University

Hangzhou, China

College of Information Science and Electrical Engineering

Major in Information Engineering

Sept. 2016 - Present

• **Overall GPA:** 3.92/4.00 (90.2/100) Ranking: 3/139

• **GRE:** Verbal 151/ Quantity 170/ AW 3.5

• **TOEFL:** Reading29/ Listening28/ Speaking23/ Writing26/ Total 106

• **Courses:** Information Theory(98), Matrix Theory(96), Machine Learning(95), Computer Organization(96), Object-Oriented Programming(96), Probability and Mathematical Statistics(97), Partial Differential Equation(96), Ordinary Differential Equation(97), Basics of Electronics and Circuits(93), Electromagnetic Field and Wave(94), C Programming(99), Linear Algebra(94), Stochastic Process(93),

RESEARCH INTEREST

My Research Interest lies in Computer Vision And Machine Learning, especially transfer learning and meta-learning. I'm always looking forward to resolving the dilemma with limited labeled data in the future.

PUBLICATIONS

★ indicates equal contributions

[1] **Deep Model Transferability From Attribution Maps, NeurIPS 2019.**

Jie Song, **Yixin Chen**, Xinchao Wang, Chengchao Shen, Mingli Song.

[2] **DEPARA: Deep Attribution Graph for Deep Knowledge Transferability, submitted to AAAI2020.**

★Jie Song, ★**Yixin Chen**, Jingwen Ye, Xinchao Wang, Chengchao Shen, Junxiao Jiang, Haihong Tang, Mingli Song.

RESEARCH EXPERIENCE

Laboratory of Visual Intelligence and Pattern Analysis(VIPA)

Zhejiang University, China

Supervisor: Prof. Mingli Song

Mar. 2019 - Nov. 2019

Deep Model Transferability From Attribution Maps:

- Propose a simple and cheap way for measuring task transferability.
- Compare heterogeneous network by projecting them into a model space and requires no labeled data.
- Good Extensibility, making it useful for large-scale transfer learning.

DEPARA: Deep Attribution Graph for Deep Knowledge Transferability:

- Propose a Brand new approach of Knowledge Representation.
- Helpful for measuring the effectiveness of transfer learning and it's a good tool to debug in transfer learning experiment.
- It's cheap and fast, needs no human-annotated data but achieves good results.

Laboratory of Information and Communication

Zhejiang University, China

Supervisor: Prof. Guanding Yu

Jul. 2018 - May. 2019

Improve Resource Allocation Efficiency by Machine Learning

- Model joint user-eNB resource allocation problem as a MINLP problem.
- Implement imitation learning and branch-and-bound algorithm to achieve fast computational speed without losing much optimally.

HONORS&AWARDS

• National Scholarship(**top 1.5%**)

Oct. 2017,2018

• First-Scholarship for Outstanding Students(**top 2%**)

Oct. 2017,2018

• First-Scholarship for Outstanding Merits(**top 3%**)

Oct. 2017,2018

- First-Scholarship for Excellence in Research And Innovation *Oct. 2018*
- Outstanding Students *Oct. 2018*
- Meritorious Winner, Interdisciplinary Contest in Modeling (ICM) *Apr. 2018*
- Third Prize of Physics Competition for College Students in Zhejiang Province *Jan. 2018*

SKILLS

Programming:	Python, C/C++, Matlab, Linux Shell, Verilog HDL
Software & Framework:	Pytorch, Tensorflow, Caffe