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 currently focusing on object detection.

PUBLICATIONS

⋆ indicates equal contributions

[1] **Deep Model Transferbility From Attribution Maps, NeurIPS 2019.**
Jie Song, **Yixin Chen**, Xinchao Wang, Chengchao Shen, Mingli Song.

[2] **DEPARA: Deep Attribution Graph for Deep Knowledge Transferbility, submitted to CVPR2020.**
⋆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 Transferbility From Attribution Maps:
- Propose a simple and cheap way for measuring task transferbility.
- 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 Transferbility:
- 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