Ying Jin

Email : jiny18@mails.tsinghua.edu.cn
Mobile : +86 13817242717
Google Scholar

Education

- **Tsinghua University** — Beijing
  Master of Software Engineering; GPA: 3.84 Ranking: 3/115 — *Sep. 2018 –*
- **Shanghai Jiao Tong University** — Shanghai
  Bachelor of Information Security; GPA: 3.96 Ranking: 1/99 — *Sep. 2014 – July 2018*

Research Interests

- **Computer Vision**
  Including Generative Adversarial Networks, Transfer Learning, Neural Architecture Search

Publication

- **ECCV2020**: **Ying Jin**, Ximei Wang, Mingsheng Long, Jianmin Wang. Minimum Class Confusion for Versatile Domain Adaptation. [pdf][code]
  Propose a new non-adversarial Domain Adaptation Method which can tackle various scenarios at the same time. It outperforms the state-of-the-art methods in each scenario respectively.
- **NeurIPS2019**: Ximei Wang, **Ying Jin**, Mingsheng Long, Jianmin Wang, Michael Jordan. Transferable Normalization: Towards Improving Transferability of Deep Neural Networks. [pdf][code]
  Propose a modified version of Batch Normalization which can improve the transferability of DNNs. By replacing BN with our normalization layer, the accuracy of various Domain Adaptation Methods are consistently improved.
- **BMVC2020**: **Ying Jin**, Zhangjie Cao, Mingsheng Long, Jianmin Wang. Transferring Pretrained Networks to Small Data via Category Decorrelation. [pdf]
  Propose a regularization term to finetune pre-trained networks when labeled data is limited. Experiment results show that our method can help knowledge transfer.
- **ICME2020 (oral)**: **Ying Jin**, Yunbo Wang, Mingsheng Long, Jianmin Wang, Philip S. Yu, and Jiaguang Sun. A Multi-Player Minimax Game for Generative Adversarial Networks. [pdf]
  Propose a multi-player minimax game to enhance the diversity of multiple discriminators. The framework is orthogonal to various GANs.
- **Bachelor Thesis (Excellent bachelor thesis in Shanghai Jiao Tong University (Top 1%))**: Hyperparameter Optimization of Generative Adversarial Networks.

Internship

- **Megvii, Base Model group lead by Xiangyu Zhang and Jian Sun** — Beijing
  Research intern (Neural Architecture Search) — *April 2019 - Present*
  - **Rethinking the framework of Differential Architecture Search**: Conduct research on the optimization framework in Differential Architecture Search, propose a new single-level framework, which significantly allieviates the degradation problem in DARTS.
  - **Bridging the gap between NAS and network pruning**: Conduct research on the relationship between NAS and network pruning. Propose a NAS method based on network slimming, up till now it achieves state-of-the-art results on NAS201 and DARTS search space.
- **2012 Lab, Huawei** — Shanghai
  C++ Engineer Intern — *Jun 2017 - Aug 2017*
  - **C++ Programming**: C++ Programing about GPU modeling, large-scale software development.

Honors and Competitions(Selected)

- **National Scholarship**: The highest honor for undergraduates in China (top 0.2% students nationwide)
- **ICCV2019 workshop**: 9th place in VisDA Multi-Source Domain Adaptation Challenge

Skills

- **Programing**: Pytorch/Python/C++
- **English**: **TOEFL:111** (R:30, L:28, S:25, W:28), CET4:680, CET6:629