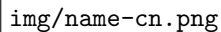


Hanxiao Liu

A small rectangular box containing the text "img/name-cn.png", which serves as a placeholder for a profile picture.

script type="text/javascript" src="email.js" i/script6

Readme

I'm a Ph.D. candidate in the Language Technologies Institute, School of Computer Science at Carnegie Mellon University, working with Professor Yiming Yang. Prior to that, I received my B.E. from Department of Automation at Tsinghua University in 2013.

My research interests include deep learning, reinforcement learning and language understanding. Recently, I'm working on the automatic design of neural architectures.

Work Experience

- *Research Intern*, DeepMind, London, Summer 2017.
Neural architecture search for image recognition, with Karen Simonyan.
- *Quantitative Research Intern*, Citadel LLC, Chicago, Summer 2016.
Statistical arbitrage and high-frequency trading.
- *Research Intern*, Microsoft Research Asia, Beijing, Spring 2013.
Game theory in computational advertising, with Wei Chen, Tao Qin and Tie-Yan Liu.

Publications

- Hierarchical Representations for Efficient Architecture Search
Hanxiao Liu, Karen Simonyan, Oriol Vinyals, Chrisantha Fernando, Koray Kavukcuoglu.
ICLR 2018.
- RACE: Large-Scale Reading Comprehension Dataset from Examinations
|Data, Code|
Guokun Lai, Qizhe Xie, *Hanxiao Liu*, Yiming Yang, Eduard Hovy.
EMNLP 2017.

- Analogical Inference for Multi-Relational Embeddings |Talk, Code|
Hanxiao Liu, Yuexin Wu, Yiming Yang.
ICML 2017.
- Gated-Attention Readers for Text Comprehension |Code|
 Bhuwan Dhingra*, *Hanxiao Liu**, Zhilin Yang, William W. Cohen, Ruslan Salakhutdinov.
ACL 2017.
- Cross-Domain Kernel Induction for Transfer Learning
 Wei-Cheng Chang, Yuexin Wu, *Hanxiao Liu*, Yiming Yang.
AAAI 2017.
- Adaptive Smoothed Online Multi-Task Learning
*Hanxiao Liu**, Keerthiram Murugesan*, Jaime G. Carbonell, Yiming Yang.
NIPS 2016.
- Cross-Lingual Text Classification via Model Translation with Limited Dictionaries
 Ruochen Xu, Yiming Yang, *Hanxiao Liu*, Andrew Hsi.
CIKM 2016.
- Cross-Graph Learning of Multi-Relational Associations |Talk|
Hanxiao Liu and Yiming Yang.
ICML 2016.
- Semi-Supervised Learning with Adaptive Spectral Transform
Hanxiao Liu and Yiming Yang.
AISTATS 2016.
- Learning Concept Graphs from Online Educational Data |Code|
Hanxiao Liu, Wanli Ma, Yiming Yang, Jaime G. Carbonell.
Journal of AI Research.
- Bipartite Edge Prediction via Transductive Learning over Product Graphs
|Talk, Supp|
Hanxiao Liu and Yiming Yang.
ICML 2015.
- Concept Graph Learning from Educational Data |Talk, Code|
 Yiming Yang, *Hanxiao Liu*, Jaime G. Carbonell, Wanli Ma.
WSDM 2015.

“*” indicates equal contribution. Co-first authors are ordered alphabetically.

Preprints

- Learning Graph Convolution Filters from Data Manifold `|Code|`
Guokun Lai, *Hanxiao Liu*, Yiming Yang.
arXiv:1710.11577.
- A Comparative Study of Word Embeddings for Reading Comprehension
Bhuwan Dhingra, *Hanxiao Liu*, Ruslan Salakhutdinov, William W. Cohen.
arXiv:1703.00993.
- Modeling Long- and Short-Term Temporal Patterns with Deep Neural Networks
Guokun Lai, Wei-Cheng Chang, Yiming Yang, *Hanxiao Liu*.
arXiv:1703.07015.

Professional Service

Reviewer, ICML 2018, NIPS 2018.

Reviewer, ICML 2017, NIPS 2017, AAAI 2017, Neural Computation.

Reviewer, ICML 2016, NIPS 2016.

Notes

1. Reinforcement Learning, Basics
2. Reinforcement Learning, Policy Optimization
3. Rademacher Complexity and VC Dimension
4. Generative Adversarial Networks
5. Spectral Analysis of Stationary Stochastic Process
6. Screening Tests for the Lasso
7. Large-Scale Stochastic Optimization
8. Adaptive Stochastic Subgradient Methods
9. Variational Inference for Bayes von Mises-Fisher Mixture
10. The EM algorithm and Variational Bayes
11. Spectral Algorithms

Slides are based on my tutorial talks at CMU.

*Last compiled on Wednesday 18th April, 2018 by T_EX4ht.
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