# Jianxin Ma (马坚鑫)' s CV

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## Education

Master | 2017.08 – 2020.06 (expected) | Tsinghua University
- Department of Computer Science and Technology
- Advisors: Wenwu Zhu (http://media.cs.tsinghua.edu.cn/en/zww), Peng Cui (http://cuip.thumedialab.com/)

Bachelor | 2013.08 – 2017.07 | Tsinghua University
- Department of Computer Science and Technology
- GPA: 95/100. Rank first among 100+ students.

## Research Interests

Machine Learning on Graphs & Relational Representation Learning
- Examples of graphs and relational data: social networks; user behavior in recommender systems.
- My recent research has been on network representation learning and graph neural networks.
  - In particular, I am interested in combining probabilistic generative models and deep representation learning, for accurately revealing the highly complex generating process behind graphs and subsequently improving the robustness and interpretability of the learned representations.

## Publications

Learning Disentangled Representations for Recommendation
- **Jianxin Ma**, Chang Zhou, Peng Cui, Hongxia Yang, Wenwu Zhu.
- In Proceedings of the Thirty-third Conference on Neural Information Processing Systems (NeurIPS 2019) (CCF A).

Disentangled Graph Convolutional Networks
- **Jianxin Ma**, Peng Cui, Kun Kuang, Xin Wang, Wenwu Zhu.
- In Proceedings of the Thirty-Sixth International Conference on Machine Learning (ICML 2019) (CCF A).

AutoNRL: Hyperparameter Optimization for Massive Network Representation Learning.
- Ke Tu, **Jianxin Ma**, Peng Cui, Jian Pei, Wenwu Zhu.
- In Proceedings of the Twenty-Fifth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2019, Research Track) (CCF A).

Hierarchical Taxonomy Aware Network Embedding
- **Jianxin Ma**, Peng Cui, Xiao Wang, Wenwu Zhu.
- In Proceedings of the Twenty-Forth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2018, Research Track) (CCF A).

DepthLGP: Learning Embeddings of Out-of-Sample Nodes in Dynamic Networks.
- **Jianxin Ma**, Peng Cui, Wenwu Zhu
- In Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI 2018) (CCF A).

## Work Experience

Research Intern | 2019.04 – Present | DAMO Academy, Alibaba
- Research topic: Learning interpretable representations from user behavior.

· Example application: Explainable recommendation.

Research Intern | 2018.07 – 2018.10 | WeChat (微信), Tencent
· Research topic: Learning representations that capture multiple aspects of a social media user.
· Example application: Social context-aware recommendation.

## Selected Awards

· Zhong Shimo Scholarship (钟士模奖学金，系设最高奖). 2018 Fall.
· Siebel Scholar (Class of 2020, http://www.siebelscholars.com/). 2019 Spring.