

# LIN MENG

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<https://linmengsysu.github.io/>

## EDUCATION

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**Florida State University, Tallahassee, USA**

*August 2018 - Present*

Ph.D. in Computer Science

Department of Computer Science

**Sun Yat-sen University, Guangzhou, China**

*August 2014 - June 2018*

Bachelor of Engineering, Computer Science.

## RESEARCH EXPERIENCE

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**IFM Lab, Florida State University**

*August 2018 - Present*

Research Assistant, Supervisor: Prof. Jiawei Zhang

• **Research Topic:** Graph Neural Network and Representation Learning, Recommender System

**Inpluslab, Sun Yat-sen University**

*October 2017 - June 2018*

Student Intern, Supervisor: Prof. Zibin Zheng

• **Research Topic:** Network Embedding on Heterogeneous Social Networks

## PROJECTS

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**Isomorphic Graph Neural Network**

*December 2018 - August 2019*

Advisor: Prof. Jiawei Zhang

Proposed a novel neural network model for graph representation learning and classification; proposed a novel method to compute isomorphic features for the classification task.

**Network Alignment**

*January 2018 - April 2018*

Advisor: Prof. Jiawei Zhang

Proposed a novel 2-stage framework focusing on heterogeneous social network alignment by Tensorflow; utilized both explicit and implicit features for the network alignment task; adopted a 2-step algorithm to solve an NP-hard problem with one-to-one cardinality constraint; proposed framework has the best performance among 10 comparison methods.

## PUBLICATIONS

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1. **Lin Meng**, Jiawei Zhang. Isomorphic Neural Network for Graph Representation Learning and Classification. Graph Representation Learning Workshop of the 33rd Conference on Neural Information Processing Systems (NeurIPS '19 Workshop), Vancouver, Canada, December 8-14, 2019.
2. **Lin Meng**, Jiyang Bai, Jiawei Zhang. LATTE: Application Oriented Network Embedding. In: Proceedings of the 36th IEEE International Conference on Data Engineering (BigData '19), Los Angeles, CA, USA, December 9-12, 2019.
3. **Lin Meng**, Yuxiang Ren, Jiawei Zhang, Fanghua Ye. Deep Heterogeneous Social Network Alignment. In: Proceedings of the 5th IEEE International Conference on Collaboration and Internet Computing (CIC '19), Los Angeles, CA, USA, December 12-14, 2019.

## SUBMITTED MANUSCRIPT

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1. **Lin Meng**, Haoran Yang, Jiawei Zhang. Stage Evolving Neural Network Based Dynamic Recommendation With Life Cycles. Submitted to the The Web Conference 2020 (WWW '20).

2. **Lin Meng** and Jiawei Zhang. IsoNN: Isomorphic Neural Network for Graph Representation Learning and Classification. Submitted to the Eighth International Conference on Learning Representations (ICLR '20).
3. Jiawei Zhang, **Lin Meng**. GResNet: Graph Residual Network For Reviving Deep GNNs From Suspended Animation. Submitted to the Eighth International Conference on Learning Representations (ICLR '20).
4. Yuxiang Ren, **Lin Meng**, Jiawei Zhang. Scalable Heterogeneous Social Network Alignment through Synergistic Graph Partition. Submitted to the 36th IEEE International Conference on Data Engineering (ICDE '20).

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## HONOR AND AWARD

- NeurIPS Travel Award 2019
- FSU Student Travel Award 2019
- The Third Class Scholarship, SYSU 2017
- 1<sup>st</sup> Prize, Software Design Competition of Guangdong Province 2017
- The First Class Scholarship, SYSU 2016

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## PROFESSIONAL SERVICES

### Conference External Reviewer

- International World Wide Web Conference, WWW 2020
- AAAI Conference on Artificial Intelligence, AAAI 2020
- International Conference on Data Mining, ICDM 2019
- International Conference on Information and Knowledge Management, CIKM 2019
- SIGKDD Conference of Knowledge Discovery and Data Mining, KDD 2019
- AAAI Conference on Artificial Intelligence, AAAI 2019
- SIAM Data Mining Conference, SDM 2019

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## SKILLS

<b>Languages</b>	English, Chinese
<b>Programming Languages</b>	Python, Matlab, C++
<b>Tools &amp; Frameworks</b>	Tensorflow, PyTorch, Sklearn

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## TEACHING EXPERIENCE

### Graduate Teaching Assistant

Department of Computer Science, Florida State University

- COP4531 Algorithm Analysis Spring 2019
- COP4710 Theory and Structure of Databases Fall 2018

### Teaching Assistant, Sun Yat-sen University

- Computer Network Lab Fall 2016

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## REFERENCES

Available upon request.