

Zihang Lin

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EDUCATION

Fudan University, Shanghai, China

Sep 2018 - Jun 2022

Undergraduate in Computer Science, Honor Class

- **Overall GPA: 3.65/4.0**, Ranking: 6/95
- **Course Highlight (Grade):** Data Structure (A), Set Theory and Graph Theory (A), Algebra Structure and Mathematical Logic (A), Programming (A), Digital Logic and Components Design (A), Computer Networks (A), Computer Vision (A), Introduction to Computer System II (A), Economy and Society (A), Applied Ethics (A)
- **Advisor: Prof. Yang Chen**

PUBLICATION

Structural Hole Theory in Social Network Analysis: A Review.

Zihang Lin, Yuwei Zhang, Qingyuan Gong, Yang Chen, Atte Oksanen, Aaron Yi Ding,

To appear: IEEE Transactions on Computational Social Systems (TCSS).

RESEARCH EXPERIENCE

Social Network Research Assistant

Jun 2019 - Present

Zihang Lin has been a research assistant in the Mobile Systems and Networking (MSN) group since 2019. His research interests include social network analysis, social computing, and machine learning. He has participated in the following three projects:

1. Empirical Analysis of Structural Hole Spanner Detection Methodologies in Co-authorship Networks

Jun 2020 - Present

- Analyze different patterns of academic performance and cooperation of different types of scholars.
- Scholars who occupy structural hole positions show more academic diversity.

2. Exploration of Structural Hole Theory in Social Network Analysis

Jan 2020 - Mar 2021

- **Advisor: Prof. Yang Chen, Prof. Atte Oksanen, Prof. Aaron Yi Ding, Dr. Qingyuan Gong**
- Provided a comprehensive review on the foundation, detection and practical application of structural hole theory.
- Facilitated researchers and developers to better apply structural hole theory and derive value-added tools.
- Paper accepted by **IEEE Transactions on Computational Social Systems (TCSS)**.

3. Participation in Development of an Open Source Graph Processing Library: EasyGraph

Jan 2020 - Jun 2020

- Participated in programming related to structural hole spanner detection algorithms.
- Participated in project package testing and release.

HONORS & AWARDS

Second Prize, Scholarship for Students in Honor Class

2020

Third Prize, Scholarship for Outstanding Students

2019

Bronze Medal, National Olympiad in Informatics, National Finals

Jul 2017

Bronze Medal, Asia Pacific Informatics Olympiad

May 2017

First Prize, National Olympiad in Informatics in Provinces

2017