

LIN XIAOQIANG

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EDUCATION

Fudan University

Jun 2016 - Jun 2020

B.S. in Statistics (Data Science & Technology), School of Data Science

GPA: 3.69/4.0 (1st in major, 2nd in college) **Junior-year GPA:** 3.87/4.0

National University of Singapore

Enrolled at: Aug 2021

PhD in Computer Science, School of Computing

PUBLICATION

Joint Representation Learning of Legislator and Legislation for Roll Call Prediction

Xiaoqiang Lin*, Yuqiao Yang*, Geng Lin, Zhongyu Wei, Zengfeng Huang. **Accepted by International Joint Conferences on Artificial Intelligence (IJCAI) 2020, the acceptance rate in is 12.6%.**

RESEARCH EXPERIENCES

Joint Representation Learning of Legislator and Legislation for Roll Call Prediction

Advisor: Prof. Zhongyu Wei

Jan 2019 - Present

- Aim to predict results of roll-call voting through representation learning on a self-constructed dataset on previous legislation and legislators
- Incorporate the network information of legislators into a Graph Convolutional Neural Network(GCN) to improve the representation learning of legislator.
- Utilized triplet loss to learn the representation of legislation and legislators in the same Euclidean space
- Proposed a novel architecture for roll-call prediction based on ranking, and increase the prediction result to 82.5%
- Contributed to a co-first-author paper which was accepted by *IJCAI 2020*

WORK EXPERIENCES

ALIBABA GROUP (Alipay team)

Hangzhou, China

Machine Learning Engineer - Fulltime

Jul 2020 - Aug 2021

- Worked as a machine learning engineer in the Ant Insurance risk management department.
- Utilized user's privacy data in Alipay and Deep Learning techniques to find the most likely hospitals that a patient might have been to. Built a DL-based system on hospital recommendation. The system profits **190 million yuan** per year.
- Submit a paper to ICDM based on personalized hospital recommendation.

Teaching Assistant for Introduction to Artificial Intelligence

Fudan University

Teaching Assistant

Sep 2019 - Jan 2020

- Collaborated with a group of graduate students to TA for the Introduction to Artificial Intelligence course; the class had 57 students
- Responsible for a project on Bayesian network and the final project
- Held weekly office hours, lab sessions, and QA sessions

HONORS & AWARDS

2016	3rd Place in National Mathematics Competition
2017, 2018, 2019	National Scholarship of Encouragement and Support
2017, 2018, 2019	Excellent Student Scholarship
2019	2nd Place in Competition of AI and Machine Learning in Medical Applications
2020	Outstanding Graduates of Fudan University