Jingfan MENG

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OBJECTIVE

I am seeking an internship position in networking or software engineering from May to August, 2021.

EDUCATION

Computer Science Ph.D. Program

Georgia Institute of Technology , Atlanta, US.   *2019.8 - present*

Major in Computer Networks.

First year GPA: 4.0

Bachelor in Information and Electrical Engineering

Shanghai Jiao Tong University, Shanghai, China.   *2015.9 - 2019.7*

Major in Computer Science and Engineering.

GPA:4.02/4.3   Rank: 2/91

PUBLICATIONS

Sliding-Window QPS (SW-QPS): A Perfect Parallel Iterative Switching Algorithm for Input-Queued Switches.

***Jingfan Meng**, Long Gong and Jun Xu.*   *2020*

Short Paper Accepted in Performance 2020.

Maximizing Influence Diffusion over Evolving Social Networks.

*Xudong Wu, Luoyi Fu, **Jingfan Meng**, and Xinbing Wang.*   *2019*

In Proceedings of the Fourth International Workshop on Social Sensing (SocialSense'19).

Association for Computing Machinery, New York, NY, USA, 6-11.

PROJECTS

Crossbar Switch Scheduling

Research Project with Prof. Jun Xu   *2019.9 - 2020.5*

- This project designs a distributed scheduling algorithm for crossbar switches that achieves high throughput with low computation and communication complexity.
- This algorithm has better throughput performance the widely used iSLIP algorithm under skewed traffic patterns in simulation.

Entity Relation Querying System

Database Systems Course Project   *2018.9 - 2018.12*

- This project created a web page interface with web.py framework and managed a MySQL database to store and query thousands of "isA" relations extracted from "CN-Probase".
- This project can answer simple classification questions such as "Is dog an animal?"

Digital Product Auction Design

Summer Internship with Prof. Xiaohui Bei at Nanyang Technological University   *2018.7 - 2018.9*

- This project designed an incentive compatible auction mechanism for digital products that will always cover copyright costs.
- This project involved detailed research on the assumptions that makes VCG mechanisms the only incentive compatible mechanisms in the multi-parameter setting and proved that cancelling the VCG auction when costs are not covered will not result in a truthful mechanism.

PROGRAMMING SKILLS

Python, C++, MATLAB