

# LanTian Xu

**Address:** Haidian District, Beijing, China.

**Tel:** 86-13126657057 **Email:** ltxu2021@gmail.com **DOB:** 09/18/1997

## Education

**Beijing Institute of Technology**, School of Computer Science and Technology *Sept.2019 - Present*

Master of Engineering in *Computer Science and Technology*

**GPA: 88.26/100** **IELTS: 6.5**

**China Agricultural University**, College of Information and Electrical Engineering *Sept.2015 – June.2019*

Bachelor of Engineering in *Computer Science and Technology*

**GPA: 3.61/4.00**

## Publication

- **Research on K-truss Community Search Algorithm for Temporal Networks.**  
**LanTian Xu**, Ronghua Li\*, Guoren Wang, Biao Wang. *\*Supervisor: Prof. Ronghua Li*  
*Journal of Frontiers of Computer Science and Technology*, 2020, 14(9): 1482-1489.  
<https://doi.org/10.3778/j.issn.1673-9418.1909050>  
*This paper uses the classical K-truss model to model the community, and then proposes a new continuous community model  $(k, \Delta, \theta)$ -truss suitable for time series graph data. This paper also proposes a temporal community search algorithm with approximate linear time, and then analyzes the performance of the algorithm and the results of community mining based on real datasets.*
- **An anonymous reporting system based on blockchain.**  
**LanTian Xu**, Ronghua Li\*, Guoren Wang, Fusheng Jin, Zhiwei Zhang. *\*Supervisor: Prof. Ronghua Li*  
*Pending Chinese Patent, Sept.2020*  
*Designing an opinion collection and reporting system mainly used in schools.*
- **A data exchange system based on blockchain.**  
**LanTian Xu**, Ronghua Li\*, Guoren Wang, Fusheng Jin, Zhiwei Zhang. *\*Supervisor: Prof. Ronghua Li*  
*Pending Chinese Patent, Sept.2020*  
*Designing a model to make deals between mistrustful sides.*

## Research Experience

**Huawei Project: A distributed framework for machine learning based on Python** *Sept.2020 - Present*

*Research Assistant at Data Science Lab, Beijing Institute of Technology* *Advisor: Prof. Ronghua Li*

*The project aimed at improving the performance of Ray(developed by UCB), an existing distributed computing systems which achieved 16.7k stars in Github .*

- Learning and being familiar with the source code of Ray
- Being a contributor of the open source community of Ray
- Designing state management and fault tolerance for Ray streaming
- Building connectors for different data sources

## Awards & Honors

- **Merit Postgraduate student, 2020** *Nov.2020*  
Awarded to students with all-round abilities
- **Second-Class Academic Scholarship, BIT** *Oct.2020*  
Awarded to students with good academic performance
- **First-Class Freshmen Scholarship, BIT** *Sept.2019*  
Awarded to students with strong scientific potential
- **Second-Class Beijing Mathematical Contest in Modeling** *Nov.2017*  
Awarded to students with strong problem-solving ability