

# JINGTONG SU

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## EDUCATION

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### Peking University (PKU)

*Sep 2017 - Jul 2021 (expected)*

B.S. in Data Science and Big Data Technology, Yuanpei College

GPA : 3.73/4.0 (Ranking : 3/32)

Selected Courses : Deep Learning : Algorithm and Application (Graduate Level) (3.91), Machine Learning (Graduate Level) (3.95), Probability Theory (3.95), Algebraic Structure and Combinatorial Mathematics (3.95), Mathematical Statistics (3.93), Game Theory (3.93), Practice of Programming in C/C++ (3.91)

## RESEARCH INTERESTS

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### DL Theory

Optimization, Generalization and Adversarial Robustness

### ML Algorithms

Designing Algorithms based on Theoretical Insights and Empirical Observation

## RESEARCH EXPERIENCE

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### International Student Internship Program@Princeton

*Research Assistant. Advisor: Professor Jason D. Lee*

*Mar 2020 - now*

- Studied network pruning. Experimentally revealed factors that decide the performance of a pruned subnetwork. Designed a new data-independent pruning algorithm without any training as a simple baseline and a by-product.
- Working on a project aiming at analyzing the function of SGD noise.

## PUBLICATIONS/MANUSCRIPTS

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- **Jingtong Su\***, Yihang Chen\*, Tianle Cai\*, Tianhao Wu, Ruiqi Gao, Liwei Wang and Jason D. Lee.  
*Sanity-Checking Pruning Methods: Random Tickets can Win the Jackpot.* NeurIPS 2020.

## HONORS AND AWARDS

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- Merit Student (Individual Annual Honor, Top 5%) *2020, 2018*
- Merit Student Pacesetter (The Highest Individual Annual Honor, Top 6) *2019*
- PKU 3rd-class Scholarship (Annual Scholarship, Top 5%) *2020, 2019*
- May 4th Scholarship (Annual Scholarship, Top 5%) *2018*
- Chinese Physics Olympiad, Gold Medal (Ranking: #74 / 100,000+ Participants) *2016*

## ACTIVITIES

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### Data Science and Big Data Technology Association@Yuanpei College

*Vice-President/President*

*2018-2019/2019-2020*

- Led the reform of the undergraduate training program in data science, producing the clearest and most complete training program to date.

- Led the development of a grade level adaptation plan for Data Science to help introduce younger students to relevant experiences. Helped establish a mentor-mentee system for the data science discipline.

**Academic Planning Department@Yuanpei College**

*Minister*

*2018-2019*

- Initiated the Interview Program for Research and the Excellent Graduate Interview Program, organized English test preparation experience sharing sessions for all students in PKU. Organized several online study groups for students to participate in.
- Within one year, about 40 interview drafts were published.

**STANDARDIZED TEST GRADES**

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- TOEFL : 108 (S24)
- GRE : V157 (75%) + Q169 (94%) + AW4.5 (80%)