

# Zinan Lin

4720 Forbes Avenue, CIC 2119B – Pittsburgh, PA 15213 – USA

✉ zinanl@andrew.cmu.edu • 🌐 www.andrew.cmu.edu/user/zinanl/  
🔍 scholar.google.com/citations?user=67nE-wQ\_g\_cC  
📄 github.com/fjxmlzn

## Education

### Carnegie Mellon University

*Ph.D. Candidate, Department of Electrical and Computer Engineering*

Advisors: Giulia Fanti and Vyas Sekar

Grade: 4.0/4.0

**Pittsburgh, PA, USA**

*2017–Present*

### Tsinghua University

*Bachelor of Engineering, Department of Electronic Engineering*

Grade: 92/100. Rank: 5/195

**Beijing, China**

*2013–2017*

## Honors and Awards

**NIPS Spotlight**, with Kiran Thekumparampil, Ashish Khetan, and Sewoong Oh *2018*

**Presidential Fellowship**, granted by Carnegie Mellon University *2017*

**Outstanding Bachelor Thesis**, granted by Tsinghua University *2017*

**Meritorious Winner**, COMAP's Mathematical Contest in Modeling *2015, 2016, 2017*

**National Scholarship**, granted by the government of China *2014, 2015, 2016*

**The First Prize**, National Physics Contest for College Student *2014*

**The Second Prize**, National Mathematic Contest in Beijing Province *2014*

## Experience

### Carnegie Mellon University (Graduate Research Assistant)

*Advisors: Giulia Fanti, Vyas Sekar, Sewoong Oh*

Topic: Generative Adversarial Networks

**Pittsburgh, PA, USA**

*Sep. 2017–Present*

### Tsinghua University (Research Assistant)

*Advisor: Yongfeng Huang*

Topic: Fast Steganalysis of VoIP Streams Using Recurrent Neural Network (Bachelor Thesis)

**Beijing, China**

*Dec. 2016–Jun. 2017*

### University of California, Santa Barbara (Research Assistant)

*Advisor: Ben Zhao*

Topic: Large Scale Automatic Sybil Attacks and Vulnerability Measurement on Mobile Services

**Santa Barbara, CA, USA**

*Jun. 2016–Sep. 2016*

### Microsoft Research Asia (Research Intern)

*Managers: Fei Gao, Taifeng Wang*

**Beijing, China**

*Mar. 2017–Jun. 2017*

- Performed a large-scale empirical study of optimization methods on various benchmark datasets.

### Luogu Website (Cofounder and Developer)

[www.luogu.org](http://www.luogu.org)

- One of the biggest online judges in China.

China

2013–Present

## Skills

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### Programming Languages.....

C, C++, Python, Java, (Visual) Basic, Pascal, Haskell, MATLAB, Mathematica, PHP, JavaScript, HTML, CSS, SQL, Verilog, Assembly, bash, shell, L<sup>A</sup>T<sub>E</sub>X, etc.

### Machine Learning Frameworks.....

TensorFlow, Theano, Keras, Blocks, CNTK, etc.

## Publications

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- [1] **Zinan Lin**, Ashish Khetan, Giulia Fanti, and Sewoong Oh. “PacGAN: The power of two samples in generative adversarial networks”. In: *Advances in Neural Information Processing Systems*. 2018.
- [2] Kiran Thekumparampil, Ashish Khetan, **Zinan Lin**, and Sewoong Oh. “Robustness of conditional GANs to noisy labels”. In: *Advances in Neural Information Processing Systems*. 2018.
- [3] **Zinan Lin**, Yongfeng Huang, and Jilong Wang. “RNN-SM: Fast Steganalysis of VoIP Streams Using Recurrent Neural Network”. In: *IEEE Transactions on Information Forensics and Security* 13.7 (July 2018), pp. 1854–1868. ISSN: 1556-6013. DOI: 10.1109/TIFS.2018.2806741.