

Zinan Lin

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🔍 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

NeurIPS 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

- One of the biggest online judges in China.

China

2013–Present

Skills

Programming Languages.....

C, C++, Python, Java, (Visual) Basic, Pascal, Haskell, MATLAB, Mathematica, PHP, JavaScript, HTML, CSS, SQL, Verilog, Assembly, bash, shell, L^AT_EX, etc.

Machine Learning Frameworks.....

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

Publications

- [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, pp. 1503–1512.
- [2] Kiran K Thekumparampil, Ashish Khetan, **Zinan Lin**, and Sewoong Oh. “Robustness of conditional GANs to noisy labels”. In: *Advances in Neural Information Processing Systems*. 2018, pp. 10291–10302.
- [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.