Zinan Lin

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

zinanl@andrew.cmu.edu • www.andrew.cmu.edu/user/zinanl/
fjxmlzn • Zinan Lin

Education

Tsinghua University **Beijing, China**
Bachelor of Engineering, Department of Electronic Engineering *2013–2017*
Grade: 92/100, Rank: 5/195

Carnegie Mellon University **Pittsburgh, PA, USA**
Ph.D. Candidate, Department of Electrical and Computer Engineering *2017–Present*
Advisors: Giulia Fanti and Vyas Sekar

Research Experience

Tsinghua University **Beijing, China**
Undergraduate Thesis, Advisor: Yongfeng Huang *Dec. 2016–Jun. 2017*
RNN-SM: Fast Steganalysis of VoIP Streams Using Recurrent Neural Network

University of California, Santa Barbara **Santa Barbara, CA, USA**
Visiting Research Assistant, Advisor: Ben Zhao *Jun. 2016–Sep. 2016*
Large Scale Automatic Sybil Attacks and Vulnerability Measurement on Mobile Services

Work Experience

Luogu Website (www.luogu.org) **China**
Cofounder and Developer *2013–Present*
One of the biggest online judges in China

Microsoft Research Asia **Beijing, China**
Research Intern *Mar. 2017–Jun. 2017*
Empirical study of neural network optimization methods

Honors and Awards

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

Skills

Programming Languages

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

Machine Learning Frameworks

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

Publications

[1] **Zinan Lin**, Yongfeng Huang, and Jilong Wang. RNN-SM: Fast steganalysis of VoIP streams using recurrent neural network. *IEEE Transactions on Information Forensics and Security*, 13(7):1854–1868, July 2018.

[2] **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.

[3] Kiran Thekumparampil, Ashish Khetan, **Zinan Lin**, and Sewoong Oh. Learning conditional GAN using noisy labels. In *Advances in Neural Information Processing Systems*, 2018.