

Zinan Lin

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Education

Tsinghua University <i>Bachelor of Engineering, Department of Electronic Engineering</i> Grade: 92/100, Rank: 5/195	Beijing, China 2013–2017
Carnegie Mellon University <i>Ph.D. Candidate, Department of Electrical and Computer Engineering</i> Advisors: Giulia Fanti and Vyas Sekar	Pittsburgh, PA, USA 2017–Present

Research Experience

Tsinghua University <i>Undergraduate Thesis, Advisor: Yongfeng Huang</i> RNN-SM: Fast Steganalysis of VoIP Streams Using Recurrent Neural Network	Beijing, China Dec. 2016–Jun. 2017
University of California, Santa Barbara <i>Visiting Research Assistant, Advisor: Ben Zhao</i> Large Scale Automatic Sybil Attacks and Vulnerability Measurement on Mobile Services	Santa Barbara, CA, USA Jun. 2016–Sep. 2016

Work Experience

Luogu Website (www.luogu.org) <i>Cofounder and Developer</i> One of the biggest online judges in China	China 2013–Present
Microsoft Research Asia <i>Research Intern</i> Empirical study of neural network optimization methods	Beijing, China Mar. 2017–Jun. 2017

Honors and Awards

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. *arXiv preprint arXiv:1712.04086*, 2017.