

Lei Yang

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Education

2018	BSc in Computer Science, Peking University
2020	MSC in Electrical Engineering and Computer Science, Massachusetts Institute of Technology
2018-Now	PHD STUDENT in Electrical Engineering and Computer Science, Massachusetts Institute of Technology

Employment History

2018-Now	Research assistant, Massachusetts Institute of Technology
2021	Teaching assistant, Massachusetts Institute of Technology
2021	Systems research intern, Algorand Inc.
2020-2021	Research engineer intern, Information and Protocols Research Inc.
2017-2018	Teaching assistant, Peking University
2015-2018	Research assistant, Peking University

Publications

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| 2022 | [1] Lei Yang , Seo Jin Park, Mohammad Alizadeh, Sreeram Kannan, and David Tse. 2022. “DispersedLedger: High-Throughput Byzantine Consensus on Variable Bandwidth Networks”. In: <i>19th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2022)</i> . |
| | [2] Joachim Neu, Srivatsan Sridhar, Lei Yang , David Tse, and Mohammad Alizadeh. 2022. “Securing Proof-of-Stake Nakamoto Consensus Under Bandwidth Constraint”. In: <i>Science of Blockchains Conference (SBC '22)</i> . |
| 2021 | [3] Xuechao Wang, Viswa Virinchi Muppirala, Lei Yang , Sreeram Kannan, and Pramod Viswanath. 2021. “Securing Parallel-chain Protocols under Variable Mining Power”. In: <i>2021 ACM SIGSAC Conference on Computer and Communications Security (CCS '21)</i> . |

- 2020 [4] Vibhaalakshmi Sivaraman, Shaileshh Bojja Venkatakrishnan, Kathleen Ruan, Parimarjan Negi, **Lei Yang**, Radhika Mittal, Giulia Fanti, and Mohammad Alizadeh. 2020. “High Throughput Cryptocurrency Routing in Payment Channel Networks”. In: *17th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2020)*.
- [5] **Lei Yang**, Vivek Kumar Bagaria, Gerui Wang, Mohammad Alizadeh, David Tse, Giulia C. Fanti, and Pramod Viswanath. 2020. “Prism: Scaling Bitcoin by 10, 000x”. In: *Stanford Blockchain Conference (SBC '20)*.
- 2019 [6] Colleen Josephson, **Lei Yang**, Pengyu Zhang, and Sachin Katti. 2019. “Wireless computer vision using commodity radios”. In: *18th International Conference on Information Processing in Sensor Networks (IPSN 2019)*.
- 2018 [7] Chenren Xu, **Lei Yang**, and Pengyu Zhang. 2018. “Practical Backscatter Communication Systems for Battery-Free Internet of Things: A Tutorial and Survey of Recent Research”. In: *IEEE Signal Processing Magazine* 35.5, pp. 16–27.
- [8] Zhenxin Fu, **Lei Yang**, Wenbin Hou, Zhuohan Li, Yifan Wu, Yihua Cheng, Xiaolin Wang, and Yun Liang. 2018. “Student Cluster Competition 2017, Team Peking University: Reproducing vectorization of the Tersoff multi-body potential on the Intel Broadwell architecture”. In: *Parallel Computing* 78, pp. 28–32.
- 2017 [9] **Lei Yang**, Yilong Li, Zhenxin Fu, Zhuohan Li, Wenbin Hou, Haoze Wu, Xiaolin Wang, and Yun Liang. 2017. “ParConnect reproducibility report”. In: *Parallel Computing* 70, pp. 22–26.