# 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

2022
**L. Yang**, S. J. Park, M. Alizadeh, S. Kannan, and D. Tse. 2022, "Dispersedledger: High-throughput byzantine consensus on variable bandwidth networks," in *19th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2022)*.

J. Neu, S. Sridhar, **L. Yang**, D. Tse, and M. Alizadeh. 2022, "Longest chain consensus under bandwidth constraint," in *The fourth ACM conference on Advances in Financial Technologies (AFT'22)*.

I. Kaklamanis, **L. Yang**, and M. Alizadeh. 2022, "Poster: Coded broadcast for scalable leader-based bft consensus," in *2022 ACM SIGSAC Conference on Computer and Communications Security (CCS '22)*.

2021
X. Wang, V. V. Muppirala, **L. Yang**, S. Kannan, and P. Viswanath. 2021, "Securing parallel-chain protocols under variable mining power," in *2021 ACM SIGSAC Conference on Computer and Communications Security (CCS '21)*.

2020     V. Sivaraman, S. B. Venkatakrishnan, K. Ruan, P. Negi, **L. Yang**, R. Mittal, G. Fanti, and M. Alizadeh. 2020, "High throughput cryptocurrency routing in payment channel networks," in *17th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2020)*.

**L. Yang**, V. K. Bagaria, G. Wang, M. Alizadeh, D. Tse, G. C. Fanti, and P. Viswanath. 2020, "Prism: Scaling bitcoin by 10, 000x," in *Stanford Blockchain Conference (SBC '20)*.

2019     C. Josephson, **L. Yang**, P. Zhang, and S. Katti. 2019, "Wireless computer vision using commodity radios," in *18th International Conference on Information Processing in Sensor Networks (IPSN 2019)*.

2018     C. Xu, **L. Yang**, and P. Zhang. 2018, "Practical backscatter communication systems for battery-free internet of things: A tutorial and survey of recent research," *IEEE Signal Processing Magazine*, vol. 35, no. 5, pp. 16–27,

Z. Fu, **L. Yang**, W. Hou, Z. Li, Y. Wu, Y. Cheng, X. Wang, and Y. Liang. 2018, "Student cluster competition 2017, team peking university: Reproducing vectorization of the tersoff multi-body potential on the intel broadwell architecture," *Parallel Computing*, vol. 78, pp. 28–32,

2017     **L. Yang**, Y. Li, Z. Fu, Z. Li, W. Hou, H. Wu, X. Wang, and Y. Liang. 2017, "Parconnect reproducibility report," *Parallel Computing*, vol. 70, pp. 22–26,