

Dr. Lening Wang

Education

- Ph.D., Electrical Engineering, University of Houston, 2023
- M.S., Electrical Engineering, New York University, 2016
- B.S., Electrical and Computer Engineering, New York Institute of Technology, 2014

Academic experience

- Prairie View A&M University (PVAMU); Assistant Professor; 2024-present; Full time

Non-academic experience

- China Mobile; Intern; 2015
- Nokia-Shanghai Bell; IP TAC Engineer; 2016-2017

Certifications or professional registrations

- Cisco Certified Network Associate (CCNA)
- Oracle Certified Associate (OCA)

Current membership in professional organizations

- IEEE

Honors and awards

- None

Service activities (within and outside of the institution)

- Organized different academic seminars
- Reviewer of top conferences and journals
- Mentored graduate level projects

Most important publication and presentations from the past five years

- Q. Wan, **L. Wang**, J. Wang, S. Song, X. Fu. "NAS-SE: Designing A Highly Efficient In-Situ Neural Architecture Search Engine for Large-Scale Deployment", 56th IEEE/ACM International Symposium on Microarchitecture, 2023
- **L. Wang**, Q. Wan, J. Wang, M. Chen, S. L. Song and X. Fu, "Enabling High-Efficient ReRAM-based CNN Training via Exploiting Crossbar-Level Insignificant Writing Elimination", in IEEE Transactions on Computer, 2023.
- **L. Wang**, M. Sistla, M. Chen and X. Fu, "BS-pFL: Enabling Low-Cost Personalized Federated Learning by Exploring Weight Gradient Sparsity," 2022 IEEE International Joint Conference on Neural Networks
- Y. Liu, **L. Wang**, A. Qouneh, X. Fu, "Enabling PIM-based AES encryption for online video streaming", Journal of Systems Architecture, Volume 132, 2022

- Q. Wan, H. Xia, X. Zhang, **L. Wang**, S. Song, X. Fu, “Shift-BNN: Highly-efficient probabilistic Bayesian neural network training via memory-friendly pattern retrieving”, 54th International Symposium on Microarchitecture, 2021
- **L. Wang**. et al, “NANI: Neuron-Aware Hardware Noise Injection to Against Adversarial Attacks”, [Submitted to IEEE Transactions on Computer]
- C. Zhang, Q. Wan, **L.Wang**, M.Chen, J.Tan, K. Yan, X. Fu, “Efficient One-Shot Neural Architecture Search With Progressive Choice Freezing Evolutionary Search”, [Submitted to Neurocomputing]