Resume

Full Name: WANG, TUOWEI
Gender: Male
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Education

1. **Ph.D., Computer Science and Technology, Tsinghua University**
- Duration: 2023/09/01 – 2028/07/31 (Expected)
- Advisor: Assistant Professor Ju Ren
- Research Interest: Machine Learning Systems and High Performance Computing
2. **Bachelor's Degree, Computer Science and Technology, Tsinghua University**
- Duration: 2018/09/01 – 2023/07/31
- GPA: 3.88/4.00 (Top 10%)
- Second Bachelor's Degree: Finance, School of Economics and Management

Competition

- National College Student Information Security Context, **First Prize** (2023)
- National College Student Computer System Development Capability Competition, **First Prize** (2022)

Publications:

1. **T. Wang**, K. Li, Z. Hao, D. Bai, J. Ren, Y. Zhang, T. Cao and M. Yang. "Long Exposure: Accelerating Parameter-Efficient Fine-Tuning for LLMs under Shadowy Sparsity", *SC*, Atlanta, GA, USA, Nov. 17-22, 2024.
2. X. Xie, Y. Li, W. Zhang, **T. Wang**, S. Xu, J. Zhu, Y. Song. "GAuV: A Graph-Based Automated Verification Framework for Perfect Semi-Honest Security of Multiparty Computation Protocols", *SP*, San Francisco, CA, USA, May 20-22, 2024.
3. H. Wang, J. Zhai, M. Gao, F. Zhang, **T. Wang**, Z. Ma, S. Tang, L. Zheng, W. Wang, K. Rong, Y. Chen and Z. Jia. "Optimizing DNNs with partially equivalent transformations and automated corrections", *TC*, Volume: 72 Issue: 12, 2023.
4. L. Zheng, H. Wang, J. Zhai, M. Hu, Z. Ma, **T. Wang**, S. Huang, X. Miao, S. Tang, K. Huang, Z. Jia, "EINNET: Optimizing tensor programs with Derivation-Based transformations", *OSDI*, Boston, MA, USA, July 10-12, 2023.

Awards

- Outstanding Graduate of the Department (2023)
- Comprehensive Excellence Scholarship, Tsinghua University (2022)
- Comprehensive Excellence Scholarship, Tsinghua University (2020)