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Ph.D. Student in Computer Science, admitted Summer 2023

Publications

PUBLICATIONS

- **Computational-Statistical Tradeoffs from NP-hardness**
Blanc, G., Koch, C., Strassle, C., Tan, L., IEEE COMPUTER SOC
IEEE COMPUTER SOC.2025: 512-530
- **A Distributional-Lifting Theorem for PAC Learning**
Blanc, G., Lange, J., Strassle, C., Tan, L.
edited by Haghtalab, N., Moitra, A.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2025
- **Fast decision tree learning solves hard coding-theoretic problems**
Koch, C., Strassle, C., Tan, L., IEEE COMPUTER SOC
IEEE COMPUTER SOC.2024: 1893-1910
- **A Strong Direct Sum Theorem for Distributional Query Complexity**
Blanc, G., Koch, C., Strassle, C., Tan, L.
edited by Santhanam, R.
SCHLOSS DAGSTUHL, LEIBNIZ CENTER INFORMATICS.2024
- **A strong composition theorem for junta complexity and the boosting of property testers**
Blanc, G., Koch, C., Strassle, C., Tan, L., IEEE
IEEE COMPUTER SOC.2023: 1757-1777
- **Properly learning decision trees with queries is NP-hard**
Koch, C., Strassle, C., Tan, L., IEEE
IEEE COMPUTER SOC.2023: 2383-2407
- **Superpolynomial lower bounds for decision tree learning and testing**
Koch, C., Strassle, C., Tan, L.
edited by Bansal, N., Nagarajan
SIAM.2023: 1962-1994