Dr. Ziliang Zong

Texas State University
College of Science & Engineering
Computer Science
ziliang@txstate.edu

Institutions of Higher Education Attended

PHD, Auburn University.

Previous Teaching Positions

Professor, Texas State University. (September 2022 - Present).

Associate Professor, Texas State University. (September 2017 - August 2022).

Assistant Professor, Texas State University. (August 2011 - August 2017).

Significant Professional Works

Conference Proceedings

Sambaraju, S., Boman, J., Wu, H., Zong, Z. (2025). Mitigating Syntax and Logic Errors in LLM Based Code Generation via XML-Structured Prompts. Paper presented at IEEE/ACM International Conference on Program Comprehension.

Trentini, J., Liu, V., Peng, Y., Zong, Z. (2025). Advancing Large Language Models in Code Generation: USACO Benchmark and Bug Mitigation Insights. Paper presented at IEEE/ACM International Conference on Program Comprehension.

Tuttle, J. F., Chen, D., Nasrin, A., Soto, N., Zong, Z. (2024). Can LLMs Generate Green Code - A Comprehensive Study Through LeetCode. Paper presented at International Green and Sustainable Computing Conference.

Nasrin, A., Chen, D., Soto, N., Zong, Z. (2024). Promoting Green Coding in VS Code with GCPM: A Power Model for Heterogeneous Processors. Paper presented at International Green and Sustainable Computing Conference.

Refereed Journal Articles

Nasrin, A., Chen, D., Zong, Z. (2025). Cloud Power Meter: Bridging the Gap in Power Measurement for Heterogeneous Cloud. *IEEE Transactions on Sustainable Computing*, 1-14.