YANLIANG LI

Phone: (+1) 205-903-6628 ◇ Email: leonli@uoregon.edu
Homepage: https://mastervchicken.github.io
Google Scholar ◇ Github ◇ LinkedIn

EDUCATION

University of Oregon (UO) *01/2025 - curr.*
Ph.D. in Computer Science
GPA: 4.24/4.0
Advisor: Dr. Jieyang Chen

University of Alabama at Birmingham (UAB) *08/2023 - 12/2024*
Ph.D. in Computer Science
GPA: 4.0/4.0
Advisor: Dr. Jieyang Chen

Chongqing University of Posts and Telecommunications (CQUPT) *09/2019 - 06/2023*
B.E. in Computer Science
GPA: 3.6/4.0

RESEARCH INTERESTS

Lossy Compression, Scientific Visualization, GPU Computing, High Performance Computing.

PUBLICATIONS

[1] **Li, Yanliang**, W. Li, Q. Gong, Q. Liu, N. Podhorszki, S. Klasky, X. Liang, and J. Chen, "Hp-mdr: High-performance and portable data refactoring and progressive retrieval with advanced gpus," *arXiv preprint arXiv:2505.00227 (accepted by SC'25)*, 2025.

[2] J. Chen, Q. Gong, **Li, Yanliang**, X. Liang, L. Wan, Q. Liu, N. Podhorszki, and S. Klasky, "Hpdr: High-performance portable scientific data reduction framework," in *2025 IEEE International Parallel and Distributed Processing Symposium (IPDPS)*, 2025, pp. 1104–1116. DOI: 10.1109/IPDPS64566.2025.00101.

[3] **Li, Yanliang** and J. Chen, "Accelerating in-transit isosurface generation with topology preserving compression," in *2024 IEEE 20th International Conference on e-Science (e-Science)*, 2024, pp. 1–3. DOI: 10.1109/e-Science62913.2024.10678711.

TEACHING EXPERIENCE

- University of Oregon
  - Winter 2025: CS 111 Introduction to Web Programming
  - Spring 2025: CS 212 Computer Science III
  - Fall 2025: CS 211 Computer Science II

AWARDS

- TCHPC/TCPP Student Cohort 2025 Travel Award
- Professional Development and Travel Award, awarded by UAB

SKILLS

Programming Languages	C/C++, CUDA, JAVA, Python, MATLAB, HTML, JAVASCRIPT
Other Skills	MATLAB, Node.js, HTML, CSS, Vue, Axure