

Sicheng Zhou

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Salt Lake City, Utah - 84111, USA

EDUCATION

- **University of Utah** 
Ph.D. in Computer Science Sep. 2025 - Present
Salt Lake City, USA
 - Advised by [Rohan Basu Roy](#)
 - Research interests include distributed systems and sustainable computing
- **Southern University of Science and Technology** 
B.E. in Computer Science Sep. 2021 - June 2025
Shenzhen, China
 - GPA: 3.77/4.00
 - Selected into Turing Class in June 2022
 - Joined HPCLab in June 2023, advised by [Zhuzhao Li](#)

EXPERIENCE

- **University of Chicago** 
Non-Degree Visiting Student Jan. 2024 - June 2024
Chicago, US
 - Joined [Globus Labs](#) in the Department of Computer Science, advised by [Ian Foster](#) and [Kyle Chard](#)
 - Research project leader for Resilient Task-Based Parallel Programming
 - Participated in other projects in GLabs

PUBLICATIONS

C=CONFERENCE, J=JOURNAL, S=IN SUBMISSION, P=PRE-PRINT

- [C.5] **Sicheng Zhou, Rohan Basu Roy (2026). HealthServe: A Public Health-Aware Inference Framework. SIGMETRICS 2026.**
- [C.4] **Haibin Lai, Sicheng Zhou, Site Fan, Zhuzhao Li (2025). ParaCOSM: A Parallel Framework for Continuous Subgraph Matching. ICPP 2025.**
- [C.3] **Maxime Gonthier, Dante D. Sanchez-Gallegos, Haochen Pan, Bogdan Nicolae, Sicheng Zhou, Hai Duc Nguyen, Valerie Hayot-Sasson, J. Gregory Pauloski, Jesus Carretero, Kyle Chard, Ian Foster (2025). D-Rex: Heterogeneity-Aware Reliability Framework and Adaptive Algorithms for Distributed Storage. ICS 2025.**
- [C.2] **Sicheng Zhou, Zhuzhao Li, Valerie Hayot-Sasson, Haochen Pan, Maxime Gonthier, Gregory Pauloski, Ryan Chard, Ian Foster, Kyle Chard (2024). WRATH: Workload Resilience Across Task Hierarchies in Task-based Parallel Programming Frameworks. CCGrid 2025.**
- [P.1] **Haochen Pan, Ryan Chard, Sicheng Zhou, Alok Kamatar, Rafael Vescovi, Valerie Hayot-Sasson, André Bauer, Maxime Gonthier, Kyle Chard, Ian Foster (2024). Octopus: Experiences with a Hybrid Event-Driven Architecture for Distributed Scientific Computing. FTXS 2024.**
- [C.1] **J. Gregory Pauloski, Valerie Hayot-Sasson, Maxime Gonthier, Nathaniel Hudson, Haochen Pan, Sicheng Zhou, Ian Foster, Kyle Chard (2024). TaPS: A Performance Evaluation Suite for Task-based Execution Frameworks. e-Science 2024, Best Paper Award.**

HONORS AND AWARDS

- **One-U Responsible AI Initiative Graduate Student Fellowship** July 2026

University of Utah
- **Travel Grant** June 2026

SIGMETRICS 2026
- **Student Forum Travel Award** Sept. 2025

ICPP 2025
- **University-level Outstanding Undergraduate Graduates Award** June 2025
Southern University of Science and Technology
- **Travel Grant** May 2025

CCGrid 2025
- **Second Place in the 2022 APAC HPC-AI Competition** Feb. 2023

HPC-AI Advisory Council
- **First Class of the Merit Student Scholarship** Nov. 2022
Southern University of Science and Technology

LEADERSHIP EXPERIENCE

- **Chairman of Student Union**

May 2022 - May 2023

Shuli Residential College

- Organizing and planning activities
- Awarded the [Outstanding Student Leader of the College](#) in 2023

- **Head of Student Delegation**

May 2022 - May 2023

Shuli Residential College

- Organize and hold student congress and student council
- Awarded [the Outstanding Student Delegation](#) of the University in 2022