

Benwei Shi

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EDUCATION

- **University of Utah**, Salt Lake City, UT
 - **Ph.D. Computing** (Dec. 2023)
Small space data structures for data analysis
Committee: Dr. Jeff Phillips (advisor), Dr. Prashant Pandey, Dr. Aditya Bhaskara, Dr. Bei Wang Phillips, Dr. Anna Little
 - **B.S. Computer Science** (May 2018)
Analysing simultaneous iterations
Supervisor: Dr. Jeff Phillips

AWARDS/HONORS

- Robert Henricks Scholarship, University of Utah, Salt Lake City, UT, 2017
- Jay Lepreau Memorial Scholarship, University of Utah, Salt Lake City, UT, 2017

PROFESSIONAL EXPERIENCE

- **University of Utah**, Salt Lake City, UT
 - **Research Assistance** (May 2017 to Dec. 2023)
Data summaries and sketches, machine learning, hash table, topological data summaries.

CONFERENCE PUBLICATIONS

- [C2] Shi, B., Zhao, Z., Peng, Y., Li, F., & Phillips, J. M.. At-the-time and Back-in-time Persistent Sketches. In *Proceedings of the 2021 International Conference on Management of Data*, 2021.
- [C1] Shi, B., & Phillips, J. M.. A Deterministic Streaming Sketch for Ridge Regression. In *Proceedings of The 24th International Conference on Artificial Intelligence and Statistics*, volume 130, 2021.

TEACHING

- Teaching Assistant, CS 3190 (Fall 2019): Foundations of Data Analysis.
Instructor: Jeff Phillips
School of Computing, University of Utah.
Given lecturer, streaming lecture videos, held weekly office hours, graded assignments and exams.
- Teaching Assistant, CS 6140 (Spring 2020): Data Mining.
Instructor: Jeff Phillips
School of Computing, University of Utah.
Advised project groups, held weekly office hours, helped creating and graded assignments and exams.

- Teaching Assistant, CS 6968 (Spring 2023): Data Str & Alg Scalable Comp.
Instructor: Prashant Pandey
School of Computing, University of Utah.
Given lectures, Advised project groups, held weekly office hours, created and graded assignments and exams.