

ZIHUI WU

Curriculum Vitae (January 2023)

zwu2@caltech.edu

EDUCATION

California Institute of Technology (Caltech)

Ph.D. student in Computing & Mathematical Sciences

Research advisor: Katherine L. Bouman

Pasadena, CA

Sep. 2020 — May 2026 (expected)

Washington University in St. Louis (WUSTL)

Bachelor of Science in Computer Science

Second major: Mathematics

Research advisor: Ulugbek S. Kamilov

St. Louis, MO

Aug. 2016 — May 2020

PUBLICATIONS

4. T. Yin*, **Z. Wu***, H. Sun, A. V. Dalca, Y. Yue, and K. L. Bouman, “End-to-End Sequential Sampling and Reconstruction for MR Imaging,” *arXiv preprint*, arXiv:2105.06460, 2021.
3. Y. Sun*, **Z. Wu***, X. Xu*, B. Wohlberg, and U. S. Kamilov, “Scalable Plug-and-Play ADMM with Convergence Guarantees,” *IEEE Transactions on Computational Imaging (TCI)*, vol. 7, pp. 849-863, 2021.
2. **Z. Wu**, Y. Sun, A. Matlock, J. Liu, L. Tian, and U. S. Kamilov, “SIMBA: Scalable Inversion in Tomography Using Deep Denoising Priors,” *IEEE Journal of Selected Topics in Signal Processing (JSTSP)*, vol. 14, no. 6, pp. 1163-1175, Oct. 2020, doi: 10.1109/JSTSP.2020.2999820.
1. **Z. Wu**, Y. Sun, J. Liu, and U. S. Kamilov, “Online Regularization by Denoising with Applications to Phase Retrieval,” 3887-3895. *10.1109/ICCVW.2019.00482*, 2019.

TEACHING

- TA for *CS 101: Special Topics in Computer Science*, Caltech Fall 2022

HONORS

- *Kortschak Scholars Graduate Fellowship*, Caltech 2020 — 2022
- *Dean’s List*, WUSTL FL2016 — FL2019
- Selected member of Engineering’s Mentor Collective program, WUSTL 2018, 2019
- *Certificate of Distinction*, American Mathematics Competitions 2015

SKILLS

Programming

- MATLAB, Python, Java, C++, R

Languages

- English (fluent), Chinese (native), French (beginner)