

ZIHUI WU

Curriculum Vitae (January 2023)

zwu2@caltech.edu

EDUCATION

California Institute of Technology (Caltech)

Pasadena, CA

Ph.D. student in Computing & Mathematical Sciences

Sep. 2020 — May 2026 (expected)

Research advisor: Katherine L. Bouman

Washington University in St. Louis (WUSTL)

St. Louis, MO

Bachelor of Science in Computer Science

Aug. 2016 — May 2020

Second major: Mathematics

Research advisor: Ulugbek S. Kamilov

PUBLICATIONS

3. Y. Sun*, **Z. Wu***, X. Xu*, B. Wohlberg, and U. S. Kamilov, “Scalable Plug-and-Play ADMM with Convergence Guarantees,” <https://doi.org/10.48550/arXiv.2006.03224>, 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,” <https://doi.org/10.1109/JSTSP.2020.2999820>, 2019.
1. **Z. Wu**, Y. Sun, J. Liu, and U. S. Kamilov, “Online Regularization by Denoising with Applications to Phase Retrieval,” <https://doi.org/10.48550/arXiv.1909.02040>, 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)