

Zachary L. While

Education

- 2022–2025 | PhD in **Computer Science**, *University of Massachusetts Amherst (MA, USA)*
- 2018–2022 | MS in **Computer Science**, *University of Massachusetts Amherst (MA, USA)*
- 2014–2018 | BS in **Computer Science & Mathematics**, *Youngstown State University (OH, USA)*

Academic and Professional Experience

- Current* | **Assistant Professor** at YOUNGSTOWN STATE UNIVERSITY (OH, USA)
2025- | *School of Computer Science, Information, & Engineering Technology*
Full-time, tenure-track position.
- 2018-2025 | **Graduate Teaching Assistant** at UNIVERSITY OF MASSACHUSETTS AMHERST (MA, USA)
Manning College of Information and Computer Sciences
Part-time.
- 2024-2025 | **Coding Academy Instructor** at TUFTS UNIVERSITY (MA, USA)
Two-Week Summer Camp for High School Students
Full-time.
- 2022-2024 | **Adjunct Instructor** at BARD COLLEGE AT SIMON'S ROCK (MA, USA)
Division of Science, Mathematics, and Computing
Part-time.
- 2023 | **Data Science Camp Instructor** at QUINNIPIAC UNIVERSITY (CT, USA)
Two-Week Summer Camp for High School Students
Full-time.
- 2020-2023 | **Instructor of Record (Graduate Student)** at UNIV. OF MASSACHUSETTS AMHERST (MA, USA)
Manning College of Information and Computer Sciences
Part-time.
- 2019, 2021 | **Research & Development Intern – Computer Vision** at KITWARE (NY, USA)
Summer Internship
Full-time.
- 2018 | **Technical Intern – Machine Learning** at BALL AEROSPACE (OH, USA)
Summer Internship
Full-time.

Professional Credentials, Certifications, or Licensing

- 2025 | **Social & Behavioral Research Basic/Refresher**, CITI CERTIFICATION
- 2024 | **Social & Behavioral Research Investigators and Key Personnel**, CITI CERTIFICATION

Professional Development Activities

- 2026 | Attendance at **Lilly Conference on Evidence-Based Teaching & Learning** (TX, USA)
- 2026 | Attendance at **ABET Accreditation Symposium** (NC, USA)

Contributions to the Discipline

PUBLICATIONS	Toward Filling a Critical Knowledge Gap: Charting the Interactions of Age with Task and Visualization; <u>While</u> & Sarvghad (CHI 2025) Toward Understanding the Experiences of People in Late Adulthood with Embedded Information Displays in the Home; <u>While</u>, Wheeler-Klainberg, Blascheck, Isenberg, & Sarvghad (VIS 2024) Dark Mode or Light Mode? Exploring the Impact of Contrast Polarity on Visualization Performance Between Age Groups; <u>While</u> & Sarvghad (VIS 2024) GerontoVis: Data Visualization at the Confluence of Aging; <u>While</u>, Crouser, & Sarvghad (EuroVis 2024) Glanceable Data Visualizations for Older Adults: Establishing Thresholds and Examining Disparities Between Age Groups; <u>While</u>, Blascheck, Gong, Isenberg, Sarvghad (CHI 2024) SceneGraphNet: Neural Message Passing for 3D Indoor Scene Augmentation; Zhou, <u>While</u>, & Kalogerakis (ICCV 2019) Detecting Compromised Implicit Association Test Results Using Supervised Learning; Boldt, <u>While</u>, & Breimer (ICMLA 2018)
REVIEWING	IEEE TVCG Journal (2026) EuroVis Conference (2026) ACM DIS Conference (2026) ACM CHI Conference (2025-2026) ACM Creativity & Cognition Conference (2025) IEEE VIS Conference (2023, 2025)
ADVISING	Dil Rawat, MS Project Advisor, <i>Youngstown State University</i> (2026) Patrick York, MS Project Advisor, <i>Youngstown State University</i> (2026) Anup Adhikari, MS Project Advisor, <i>Youngstown State University</i> (2026) Nikesh Pakuwal, MS Thesis Advisor, <i>Youngstown State University</i> (2025-2026) Erfan Nasirzadeh Orang, Senior Project Advisor, <i>Youngstown State University</i> (2026) Ujjwal Dhakal, Senior Project Advisor, <i>Youngstown State University</i> (2026) Ajaya Ghimire, Senior Project Advisor, <i>Youngstown State University</i> (2026) Aayush K C, Senior Project Advisor, <i>Youngstown State University</i> (2026) Anjan Lamsal, Senior Project Advisor, <i>Youngstown State University</i> (2026) Raya Jahan, MS Thesis Committee Member, <i>Youngstown State University</i> (2026) Anthony Hake, MS Thesis Committee Member, <i>Youngstown State University</i> (2026) Nicholas Kanos, MS Thesis Committee Member, <i>Youngstown State University</i> (2025)
MENTORSHIP	Nikesh Pakuwal, YSU Student Small Grant Program, <i>Youngstown State University</i> (2026) Erfan Nasirzadeh Orang, Voluntary Research, <i>Youngstown State University</i> (2026) Mobina Hosseini, Voluntary Research, <i>Youngstown State University</i> (2026) Prasiddha Pokhrel, Voluntary Research, <i>Youngstown State University</i> (2025-2026) Anup Adhikari, Voluntary Research, <i>Youngstown State University</i> (2025-2026) Sri Mutalik, Voluntary Research, <i>Xavier High School, CT, USA</i> (2024) Henry Wheeler-Klainberg, Independent Study, <i>Univ. of Massachusetts Amherst</i> (2024) Yujie Gong, Summer Research Internship, <i>Smith College</i> (2023)