

Haixin Zhou

Software Engineer
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Education

Washington University In St. Louis, St. Louis, MO

M.S. in Computer Science

Overall GPA: 3.88/4.0

Aug 2024 - Aug 2025

Washington University In St. Louis, St. Louis, MO

B.S. in Computer Science and B.A. in Architecture

Overall GPA: 3.65/4.0

Aug 2019 - May 2024

Technical Skills

Programming languages: JavaScript, Python, Java, HTML, CSS, PHP, SML

Web Development: Node.js, REST APIs, DOM manipulation, Flask

Frontend design: Figma, Adobe Photoshop, Adobe Illustrator, Adobe Indesign

Concepts: Data Structures, Algorithms, OOP, Parallel Programming

Languages: English (Native), Mandarin (Native)

Work Experience

Graduate Researcher – CodeHistory Extension

McKelvey School of Engineering at Washington University in St. Louis

Jan 2024 - present

- Designed the extension's interface to visualize code changes to improve developer experience
- Integrated OpenAI's LLM API for code summarization and question-answering
- Developed and implemented features to help programmers retrieve past interactions and development decisions
- Conducted self-led user study on the extension and composited study results
- *GitHub Link to project*

Faculty Assistant – Advanced Algorithms (CSE 5401), Analysis of Algorithms (CSE 3407)

McKelvey School of Engineering at Washington University in St. Louis

Sep 2025 - Dec 2025

- Taught weekly recitation class and went through algorithm problems step-by-step
- Hosted office hours and exam reviews for students to answer any questions regarding the materials
- Graded student homework and exams and handled any grading disputes

Head Teaching Assistant – Web Development (CSE 204)

McKelvey School of Engineering at Washington University in St. Louis

Aug 2023 - May 2025

- Led a team of TAs, hosted office hours, and managed grading for a large undergraduate web development course.

Teaching Assistant – Advanced Algorithms (CSE 541)

McKelvey School of Engineering at Washington University in St. Louis

Jan 2025 - May 2025

- Wrote answer keys for student assignments and graded student assignments

Teaching Assistant – Intro to Parallel Programming (CSE 231)

McKelvey School of Engineering at Washington University in St. Louis

Aug 2024 - Dec 2024

- Hosted Office hours to help students answer questions about their programming assignments

IT at Sam Fox Whitaker Printing Lab

Sam Fox School of Design, Whitaker Printing Lab

Aug 2022 - May 2023

- Assisted students with computer setup and printing/plotting technology troubleshooting

Projects and Publications

- Open Scholarship Publication: *Supporting Programmers Answering the Hard-To-Answer Questions Through the Use of Large Language Models*
- Co-author: *Interruptions and Recovery: Leveraging Dynamic Code History in Development*
- Co-author: *A Literature Review Of WAAM And Future Application In Buildings*

Achievements

- Dean's List, 2020-2024
- AISC Undergraduate Research Fellowship Recipient, 2022
- James W. Fitzgibbon Scholarships Finalist & Winner, 2019