

# Haixin Zhou

## Software Engineer

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## Education

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

*M.S. in Computer Science*

*Aug 2024 - Aug 2025*

Overall GPA: 3.88/4.0

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

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

*Aug 2019 - May 2024*

Overall GPA: 3.65/4.0

## 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