

# Jade Zhao

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## EDUCATION

<b>Indiana University, Luddy School of Informatics, Computing, and Engineering</b>	Bloomington, IN
<i>Bachelor of Science in Informatics   GPA: 3.70   Class of 2027</i>	<i>August 2023 – May 2027</i>
<ul style="list-style-type: none"><li>• Hudson &amp; Holland Scholar (full-ride merit scholarship) · Luddy Direct Admit &amp; Study Abroad Scholarship</li><li>• Concentration: Business and Society · Minor: Business, Kelley School of Business</li><li>• Study Abroad: Universidad Complutense de Madrid (Spring 2026) · Hutton International Experiences Program</li></ul>	

## EXPERIENCE

<b>Undergraduate Research Assistant</b>	September 2025 – December 2025
<i>Proactive Health Informatics Research Group, IU Luddy School</i>	<i>Bloomington, IN</i>
<ul style="list-style-type: none"><li>• Developed HIPAA-compliant database systems using Python and SQL to process patient data; reduced data entry errors by 30%</li><li>• Built real-time patient monitoring systems with data analytics and anomaly detection; reduced workload by 25–40%</li><li>• Researched ethical AI safeguards including audit trails, bias detection, and human oversight mechanisms</li></ul>	
<b>Undergraduate Teaching Assistant</b>	August 2023 – December 2025
<i>IU Office of Student Life, Mentoring Services &amp; Leadership Development</i>	<i>Bloomington, IN</i>
<ul style="list-style-type: none"><li>• Built campus navigation tools for first-generation and low-income students with accessible guides on advising and degree pathways</li><li>• Automated information-sharing processes so advisors could shift from transactional work to mentorship and student support</li><li>• Supported students navigating study abroad opportunities and international program applications</li></ul>	
<b>AI Client Team Lead</b>	January 2024 – May 2025
<i>Laurie Burns McRobbie ServeIT Clinic, Indiana University</i>	<i>Bloomington, IN</i>
<ul style="list-style-type: none"><li>• Led cross-functional team of 5 students using Agile to build adaptive learning platforms; increased engagement by 45%</li><li>• Designed accessible AI tutoring systems for English language learners and students with learning disabilities</li><li>• Implemented ethical AI safeguards including bias detection, transparent decision-making, and educator oversight</li></ul>	

## PROJECTS

<b>Indiana Phenology Lab Research</b>	January 2025 – May 2025
<ul style="list-style-type: none"><li>• Analyzed environmental science data using Python and data visualization libraries; improved research efficiency by 40%</li><li>• Designed accessible data presentations using D3.js and Figma; achieved WCAG 2.1 AA compliance standards</li></ul>	
<b>Middle Way House Website Redesign</b>	August 2024 – December 2024
<ul style="list-style-type: none"><li>• Led website redesign for nonprofit serving domestic violence survivors; increased usability by 65% and conversions by 28%</li><li>• Conducted accessibility audits on 200+ UI components using WAVE and Axe DevTools; achieved WCAG 2.1 AA/AAA compliance</li></ul>	
<b>City of Bloomington Digital Accessibility</b>	January 2024 – May 2024
<ul style="list-style-type: none"><li>• Conducted accessibility audits on 10+ municipal websites using automated and manual testing; identified 150+ compliance issues</li><li>• Developed actionable recommendations with implementation roadmap; elevated sites from failing to meeting WCAG 2.1 AA standards</li></ul>	

## SKILLS

<b>Development:</b> Python, SQL, HTML, CSS, JavaScript, React, Node.js, PostgreSQL, Git/GitHub, D3.js
<b>Data &amp; Systems:</b> Real-time systems, HIPAA compliance, Data governance, ETL, Analytics, Database design
<b>AI &amp; Ethics:</b> Bias detection, Ethical AI frameworks, Human oversight, Transparent systems, LLM orchestration
<b>Design &amp; Accessibility:</b> WCAG 2.1 AA/AAA, Figma, Adobe Creative Suite, User research, WAVE, Axe DevTools
<b>Methods:</b> Agile/Scrum, Team leadership, Cross-functional collaboration, Human-centered design
<b>Languages:</b> English (Native), Mandarin Chinese (Professional Working Proficiency), Spanish (Elementary)