

Jade L. Zhao

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EDUCATION

Indiana University Bloomington

Bloomington, IN

Bachelor of Science - BS, Informatics

August 2023 – May 2027

- GPA: 3.70 · Hudson & Holland Scholar (full-ride merit scholarship) · Luddy Direct Admit
- Study Abroad: Universidad Complutense de Madrid (Spring 2026) · Luddy Study Abroad Scholarship
- Peer Mentor, IU Office of Student Life · Handshake Career Services Influencer · ServeIT Clinic

EXPERIENCE

Undergraduate Research Assistant

May 2024 – Present

Indiana University Luddy School of Informatics, Computing, and Engineering

Bloomington, IN

- Developed HIPAA-compliant database systems with agentic AI to process multimodal patient data from EHRs, wearables, and lab systems; reduced data entry errors by 30% and improved healthcare data accuracy
- Built real-time patient monitoring systems that analyze data streams, detect anomalies, and route critical alerts to clinical teams; reduced administrative workload by 25–40%
- Researched ethical AI safeguards: transparent audit trails, bias detection algorithms, and human oversight mechanisms for healthcare AI

AI Client Team Lead

January 2024 – December 2025

Laurie Burns McRobbie ServeIT Clinic, Indiana University

Bloomington, IN

- Led 4-person team building AI-powered adaptive learning platforms that analyze student performance and dynamically adjust difficulty; increased engagement by 45%
- Designed accessible tutoring systems for English language learners and students with learning disabilities, integrated with Canvas and Blackboard LMS
- Implemented ethical AI safeguards including bias detection, transparent decision-making, and educator oversight while automating repetitive administrative tasks

Digital Solutions Developer

May 2020 – December 2024

Small Business and Nonprofit Organizations

Bloomington, IN / Remote

- Built responsive websites with AI-powered personalization for 10+ small businesses; implemented pandemic contactless solutions including online menus, QR codes, and digital payment systems
- Developed AI marketing automation systems that generate, test, and optimize email and social media content based on user analytics; reduced manual marketing workload by 50%
- Created automation tools to streamline scheduling, follow-ups, and administrative tasks; cut admin workload by 25–40%, freeing owners to focus on customers

PROJECTS

AI Career Guide & Resume Workshop | IU Luddy

2025

- Led team building AI-integrated career resources for 150+ students; achieved 50,000+ impressions and 45% engagement increase
- Developed accessible career guidance focused on first-generation student success with emphasis on tech career pathways

Middle Way House Website Redesign

2024

- Redesigned website with accessibility and privacy at center; conducted survivor interviews to inform design decisions
- Improved user accessibility and engagement for domestic violence support services through user-centered design

SKILLS

AI & Dev: Agentic AI, LangChain, LLM APIs, RAG, Prompt Engineering, Python, SQL, HTML, CSS, JavaScript

Data: Real-time systems, HIPAA, Data governance, ETL, Analytics

Design: UX Design, WCAG 2.1 Accessibility, Adobe Photoshop, Illustrator, Responsive design

Methods: Agile/Scrum, Team leadership, Product strategy, AI ethics, Human-centered design