

Ziyue(Zoey) Zhang

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EDUCATION

Indiana University Bloomington, Bloomington IN
Bachelor of Science

Graduation Date: May 2022

Major: Informatics **Minor:** Human-Centered Computing

SKILLS

Front end: HTML, CSS, JavaScript, React.js, Redux, UI/UX

Back end: Node.js, Express.js, PHP

Others: Agile, Python, Java, Git, MongoDB, MySQL

Certifications: Tableau Accelerator Crash Course, IU Center of Excellence for Women & Technology - 2021

GIS & ArcGIS Accelerator Crash Course, IU Center of Excellence for Women & Technology - 2021

EXPERIENCE

Software Engineer Co Lead, Kadet Wallet Project, Tech Fleet

Feb 2023 – Present, Remote

- Select 2 apprentices after leading a hiring round of interviews with aspiring applicants.
- Work cross-functionally with the product team of 9 and design team of 7 to create roadmaps and design 4 sprints.
- Collect resources of web3 and blockchain to educate me and other team members to develop the blockchain wallet.

Software Engineer, Indiana University Bloomington

Aug 2021 – May 2022, Bloomington, IN

Outreach Website for IU community

- Formed a team of 4 students and used Scrum Methodology to manage the software development process.
- Identified lack of accessibility for students to engage with student organizations by conducting interviews and surveys with students.
- Created 13 pages wireframe for websites and prototype them using Figma for further usability tests.
- Tested usability with the survey, think-aloud method, contextual inquiry, and interview to get feedback from 20 users to fix misconceptions and increase Success Score to 80%.
- Designed database relationships with Entity Relationship Diagram and developed MySQL database to store students and student organizations data.
- Built over 10 web pages using HTML, CSS & JavaScript for students to login/out, join organizations, register events or create/delete their organization.
- Integrated 13 features using PHP, MySQL queries, and JavaScript to integrate IU Login API for enhancing the web security.

PROJECT

E-commerce Website

- Developed a full-stack e-commerce website using React, Node.js, Express, MongoDB, Mongoose, and JWT.
- Implemented 5+ features such as product listings, user authentication using JWT, shopping cart, and product management to provide a seamless shopping experience for users.
- Utilized Redux for state management to ensure consistent and efficient data flow throughout the application.
- Utilized Mongoose for data modeling and CRUD operations with MongoDB.
- Implemented server-side validation to ensure data integrity and enhance security.

Product Management Case Study: Excel

- Conducted 10 Interviews with employees in small businesses and did secondary research toward excels and identify its problem of data management for small businesses.
- Brainstormed 4 features focus on data management, file history tracking and formula templates to tackle the defined problem.
- Apply Customer Satisfaction as our North Star and measure it with Net Promoter Score, Customer Retention Rate and Active Users.
- Designed the features and conducted interviews to test concepts with 10 potential users to receive feedback for evaluating the features.
- Prioritize 4 features by evaluating their Value to User, T-shirt Size, Urgency and Commercial Value.
- Create a Roadmap for features to map out the vision and direction of these features.
- Present to stakeholders to build a shared vision of the features and get feedback for future plans.

