

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.

Undergrad Research Assistant, Indiana University Bloomington

Facial Landmark Measurement Heat Map Visualization

Aug 2021-Dec 2021, Bloomington, IN

- Engaged in the Socioneural Physiology Lab and collaborated with Master's students on creating Heat Map Visualization of Facial Landmark Measurement.
- Used high-speed CCD cameras to record video of faces for further measurement.
- Learned the use of the Dilb machine toolkit to detect facial landmarks in real-time.

A Study of Force2Vec Graph Embedding Method

Aug 2020-Dec 2020, Bloomington, IN

- Collaborated with a Ph.D. mentor on a research project about a novel machine learning embedding algorithm for graph neural networks.
- Collected and visualized data to compare the Force2vec embedding method with other methods and we found the visualization of Force2Vec is more readable and natural.

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 (JWT) to ensure data integrity and enhance security.