

Shiyang Zhao (Shawn)

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EDUCATION

Bachelor of Science Computer Science

01/2020 – 12/2022

Arizona State University, Tempe, AZ

3.92 GPA

Dean's List

Summa Cum Laude

New American University Scholarship UG

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C#, C/C++

Front-End: HTML, CSS, React.js, Bootstrap, Sass, Tailwind CSS

Tools: Spring, Django, Selenium, Jenkins, Node.js, Git, PostgreSQL, MySQL, SQLite, AWS, Heroku, Docker

PROFESSIONAL EXPERIENCE

RND4IMPACT, San Jose, CA: Software Developer

03/2023 – Present

- Developed full-stack web applications that utilize technologies such as **Java**, **Python**, and **JavaScript** including **Spring Boot**, **React.js**, **Django**
- Collaborated with a team of 5 members to gather requirements, design system architectures, and deliver solutions
- Streamlined project tracking using **Scrum** methodologies and **Jira**, while maintaining version control via **Git**
- Enhanced website performance by 30%, leading to improved load times and superior user experience

PROJECTS

Sales Prediction of Walmart

07/2023

- Utilized Python, linear regression, and **Machine Learning** techniques to predict sales across various Walmart departments
- Analyzed historical markdown data from **45** Walmart stores to understand the impact of holiday markdown events
- Leveraged **Numpy** and **Pandas** for data manipulation and **Scikit-Learn** for dimensionality reduction, significantly boosting the predictive accuracy of the model
- Achieved a 20% improvement in sales forecasting accuracy with the model's implementation

Employee Management System - EmploVerse

03/2023

- Built EmploVerse, a **Java Spring**-based employee management web application, complemented with **React.js** and **MySQL**
- Developed CRUD operations, attendance tracking for 5 departments, RBAC across 4 levels, and JWT authentication
- Introduced real-time chat via **WebSocket**, cutting down email correspondence by 45% for internal communications
- Deployed and maintained on **AWS** and **Heroku**, ensuring scalability, security, and backend efficiency

Social Media Web Application - Metasphere

01/2023

- Developed Metasphere, a dynamic social media web application utilizing **Python**, **Django**, **React.js**, **PostgreSQL**, and **Docker**
- Fostered user interaction with a robust search, file sharing, commenting, private messaging, and group chats via **WebSocket** and **Django Channels**
- Streamlined the development process by integrating **Jenkins** with Github Webhooks and automating the CI/CD pipeline with **Selenium**
- Enhanced file-sharing efficiency by 20% and amplified user engagement by a notable 40%

VOLUNTEER EXPERIENCE

HOPE CHURCH MOVEMENT, Tempe, AZ: Guest Experience Associate

04/2020 – 12/2022

- Developed effective **communication** and **leadership** within a guest experience team of 30
- Delivered exceptional experiences to over **250** guests consistently
- Collaborated with cross-functional teams to distribute tasks efficiently, resulting in a 23% increase in efficiency