

LI HE

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EDUCATION

Georgia Institute Of Technology, Atlanta, GA
MS in Computer Science

Aug 2024 | May 2026

Arizona State University, Tempe, AZ
BS in Computer Science, *summa cum laude*

Jan 2020 | Dec 2023
GPA: 4.00/4.00

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python, C++, C#, HTML/CSS, SQL, Swift, MATLAB
- **Specialized:** React, Vue, REST, Spring Boot, Redux, Node, Next, Docker, WebSocket
- **Database:** MySQL, PostgreSQL, MongoDB, Redis, AWS-S3
- **Other:** Git, Maven, Saas, OAuth 2.0, JSON, XML, Swagger

PROFESSIONAL EXPERIENCE

China Telecom Corporation Limited Intern | *Leading global telecommunications company*
Software Development Engineer

China

Mar 2024 - Jun 2024

- Developed a large-screen data display system with **Vue.js** and **ECharts** for Fenyi Industrial Park, addressing the need for real-time monitoring and informed decision-making, increasing main business revenue by 7% across over 60 industries.
- Engineered a salary and KPI management system with **Spring Boot** and **MyBatis Plus**, solving inefficiencies in HR operations by introducing batch processing and Excel integration capabilities, enhancing operations by 18%.
- Implemented secure login authentication and **RESTful APIs** using **Spring Security** with **JWT** tokens and **Spring MVC** to tackle security vulnerabilities and improve system functionality.
- Adhered to Agile methodologies throughout the software development life cycle, actively communicated with stakeholders, and collaborated with cross-functional teams, earning commendations for promptly delivering high-quality software solutions.

China Telecom Corporation Limited Intern | *Leading global telecommunications company*
Front End Web Developer

China

Jun 2023 - Aug 2023

- Built a unified login platform and employee attendance system serving over 800 users with **JavaScript**, **Vue.js**, and **Webpack**, addressing the need for a streamlined and efficient login and attendance process, significantly improving user experience and overall company work efficiency by about 13%, and cutting administrative workload by 18%.
- Optimized API management by encapsulating back-end communications using **Axios**, reducing API response time by 15%.
- Collaborated closely with backend team members and was recognized as the top performer by the team lead.

PROJECT EXPERIENCE

Skyline Sneakers Digital Storefront |  GitHub Repo

Tempe, AZ

- Developed an e-commerce platform with separate functionalities for users and administrators using **Next.js**, **React**, and **Tailwind CSS**. Enhanced user interaction through server-side rendering for a seamless experience, utilizing **JavaScript** for dynamic client-side behaviors, which improved user engagement.
- Implemented a robust authentication system with multi-factor authentication (MFA) using **NextAuth.js** to address security and user management needs, providing secure login features including Google and email-based verification. Used **MySQL** for transactional data and **MongoDB** for non-transactional data, reducing transaction processing time by 13%.
- Optimized image storage by implementing a secure, cloud-based solution using **Amazon S3**, solving issues related to inefficient image storage and retrieval, improving image load times by 25% and reducing storage costs by 14%.

ASU Capstone Portal Revamp |  GitHub Repo

Tempe, AZ

- Led the front-end team to revamp the system with a modern web interface using **Vue.js**, **JavaScript**, and **HTML/CSS**, enhancing aesthetics and usability, and addressing the need for a more user-friendly and visually appealing interface.
- Implemented advanced reporting and analytics with **ECharts**, displaying project types and student application statuses, enabling administrators to gain insights into project distribution and student engagement.
- Automated manual operations that were time-consuming and prone to errors, reducing faculty workload by 17%, and earning high praise during the capstone project exhibition for its practical impact.

TaskFlow Microservice System |  GitHub Repo

Tempe, AZ

- Led a team to design and implement a microservice architecture with **Spring Boot**, **Spring JPA**, and **MySQL**, deploying backend services in **Docker** containers to solve monolithic application constraints and enhance scalability and efficiency.
- Directed the development of a responsive UI, utilizing **React**, **Tailwind CSS**, and **JavaScript** for dynamic content and structure, focusing on user-centered design and performance optimization to enhance user experience.
- Utilized **OpenFeign** for seamless communication between microservices, ensuring efficient data flow and processing. Enhanced the system with role-based access control (**RBAC**) and real-time task notifications using **WebSocket**, solving user management and task-tracking inefficiencies.