

Yahui Zhang

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PROFILE

Dynamic and results-driven software development engineering student with a passion for full-stack, back-end, and front-end development. Possessing a strong foundation in computer science principles and hands-on experience with various programming languages, frameworks, and technologies. Writing and testing code, helping to develop software system solutions, and updating their knowledge using the latest development tools. Proficient in Java, Python, and SQL with a notable contribution to a 10% efficiency improvement in our data processing pipeline. Knowledge to achieve organizational efficiency, reduce page load speeds, and optimize user interfaces. Ability to deliver high-quality solutions through collaborative teamwork and innovative problem-solving. Business Functional experience through starting a new company, managing projects, implementing classes and database schema, and analyzing and validating requirements. I Design and implement test suites using JUnit, specification-based, and functional black box testing. I seek a challenging SDE internship opportunity to apply and further enhance my skills in software development across multiple domains and aim to contribute my initiative and dedication to achieving organizational objectives and making a positive impact.

PROFESSIONAL EXPERIENCE

Longun Agency

Shanghai, China

Account Executive

Sep 2020 – May 2021

- Conducts client meetings to review network performance, asset allocation, project progression, and customer satisfaction.
- Recommend new technology or adjustments to existing systems, software, and vendors to satisfy clients' needs and future capacity requirements.
- Create detailed 2021 Q2 business plans for Lancôm to reach predetermined goals and quotas.
- Conduct research and analysis to gather insights into target audiences, consumer behavior, and market opportunities.
- Stay updated on industry best practices, sales techniques, and product/service knowledge through training and professional development opportunities.
- Providing an excellent customer experience for all accounts, by anticipating and resolving customer issues in a manner that exceeds the customers' expectations.
- Coordinate with colleagues to ensure smooth onboarding and implementation processes for new clients.

Key Achievements:

- Developed and executed a targeted marketing campaign that resulted in a 25% increase in sales revenue within the first quarter.
- Negotiated a contract with a key client, resulting in a 15% increase in annual revenue and a long-term partnership.
- Analyzed customer data to identify trends and opportunities for growth, leading to the development of a new product line that generated \$500K in sales within the first year.

Boston University AdLab

Boston, MA

Art ACD

Sep 2022 – Dec 2022

- Partner with clients and Chase members to analyze and thoroughly comprehend client briefs, identifying critical challenges and establishing a clear direction for the team.
- I Align project scope and timelines with project leads and ensure they are adhered to.
- Effectively communicate project status and updates to internal team members.
- Manage creative teams and oversee project developments, from initial concepts to completion. Contribute to a culture of creativity and provide functional, technical, and leadership.
- Provide innovative insights and guidance to team members to ensure deliveries satisfy client needs and surpass expectations.
- Guide and direct projects to ensure creative work is to the standard and completed before necessary deadlines.
- Work closely with the Account team and Creative Director to prioritize workloads and manage a creative team.
- Provide quality control on all approved/ completed designs to ensure design quality production feasibility and accuracy.

Key Achievements:

- Increased client satisfaction ratings by 20% through proactive communication, creative problem-solving, and delivering high-quality creative solutions that exceeded expectations.
- Mentored and managed a team of junior designers, resulting in a 10% increase in productivity and a 15% improvement in design quality.

PROJECTS

Petdomus

Northeastern University

Python & Django Project

- Developed a pet adoption web application using Python, Django, and MySQL, facilitating connections between animal lovers and shelters/rescues.
- Contributed ideas and suggestions for the design and functionality of the pet management application.
- Created user guides or documentation for end-users on how to use the application.
- Design database models to efficiently store and retrieve pet-related data, considering factors like scalability and performance.
- Conducted thorough testing of developed features to ensure functionality, usability, and security.
- Worked closely with front-end developers to integrate backend functionality with the UI.
- Utilized the MVC architectural pattern, incorporating features such as an ORM, automated admin interface, URL routing, and template system for smooth navigation and user interaction.

MERN Project

- Developed RESTful APIs using Node.js and Express.js to handle CRUD operations for drinks, user authentication, and order management.
- Designed and developed a web full-stack cocktail information website using the MERN stack, enabling users to discover and review cocktail bars and manage their bartending diaries.
- Enhance the user experience by dynamically rendering data on web pages using JavaScript.
- Ensured data consistency and scalability by optimizing database performance and managing indexes.
- Managed server infrastructure and set up continuous integration and continuous deployment (CI/CD) pipelines for automated testing and deployment.
- Enhanced database functionality to seamlessly manage over 100 user data, facilitating efficient and organized data processing.
- Collaborated with team members through code reviews, discussions, and sprint planning meetings to ensure project objectives were met effectively.

Café Website

Northeastern University

AWS Project

- Hosted a café static website on Amazon S3 bucket, implementing data lifecycle and disaster recovery strategies for optimal data management and recovery processes.
- Set up a database using a service like Amazon RDS (Relational Database Service) or Amazon DynamoDB to store café-related data such as menu items, user profiles, orders, and reservations.
- Configured AWS services to host and deploy the café website, such as Amazon EC2 (Elastic Compute Cloud) for virtual servers or AWS Lambda for serverless computing.
- Configured AWS security features like IAM (Identity and Access Management) roles and policies to control access to AWS resources.
- Set up monitoring and logging solutions using AWS CloudWatch to monitor website performance, track errors, and generate alerts.
- Designed and developed the user interface (UI) for the café website using HTML, CSS, and JavaScript.
- Developed server-side functionality using a backend framework like Express.js (Node.js) or Flask (Python) to handle HTTP requests and responses.

EDUCATION

- **MS in Computer Science Align** - GPA: 3.8 / 4.0

Northeastern University

Jan 2023 – Present

Expected Graduation: May 2025

Relevant Coursework: Web Development, Algorithms, Object-Oriented Design, AWS

- **Master Degree** - GPA: 3.63 / 4.0

Boston University

Sep 2021 – Dec 2022

Relevant Coursework: Design Strategy & Software(HTML/CSS), UX Design, Art Design**TECHNICAL SKILLS****Programming Language**

- Python, Java, C, HTML/CSS, JavaScript

Tools & Frameworks

- React, Node.js, Express, jQuery, Bootstrap, Django, AWS, JUnit, Git

Databases

- MySQL, MongoDB

COMPETENCIES

- Ability to analyze complex problems and propose effective solutions and willingness to explore multiple approaches and consider alternative solutions.
- Familiarity with data structures, algorithms, and object-oriented programming principles and capacity to learn new languages and technologies quickly.
- Ability to understand software development principles, methodologies, and best practices.
- Commitment to writing clean, maintainable code with proper documentation and formatting.
- Diligence in testing code thoroughly and identifying edge cases and potential bugs.
- Ability to work effectively in a team environment, collaborating with colleagues from diverse backgrounds and skill sets.
- Strong communication skills, verbal and written, for conveying technical concepts and ideas clearly and concisely.
- Openness to learning new technologies, languages, frameworks, and tools as required by the internship role.
- Capacity to juggle multiple projects or assignments simultaneously while maintaining quality and attention to detail.
- Willingness to gather feedback, iterate on solutions, and continuously improve the product or service.
- Respect for diversity, inclusivity, and differing viewpoints within the team and the broader community.