

# Yangyue Song

## Full-Stack Software Engineer

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Results-driven software engineer with a passion for creating robust and efficient software solutions. Seeking a challenging role in a dynamic tech company where I can leverage my expertise in full-stack development

### TECHNICAL SKILLS

JavaScript, TypeScript, React, Redux, HTML5, CSS, Scratch1, Python, Node.js, Nest.js, Express, Git, PostgreSQL, MongoDB, MySQL, RESTful API, Flask API, RabbitMQ, Docker, CI/CD, Scrum, Agile Methodology, Test-Driven Development, Object-Oriented Design, WordPress

### PROFESSIONAL EXPERIENCE

#### Code Coach | theCoderSchool

01/2024-current

*Teaching children how to code and build games from scratch by using different programming languages*

- Coached students weekly, creating tailored individual lesson plans accessible to each student's skill set and needs with technologies including Scratch, HTML, CSS, JavaScript, and Python
- Fostered interest in computer science among students and provided detailed progress updates to parents

#### Full Stack Software Engineer | Manos Juntas Healthcare

12/2023-current

*Developed a user-friendly web application to meet the specific needs of volunteers working in a health clinic environment*

- Engineered HTTP route handling with Flask for flexibility, applied Blueprints in order to streamline file structure
- Utilized React.js and built components to create an interactive user interface and integrated Material UI for front-end design
- Architected RESTful routes for stateless, cacheable, and easy-to-use paths with built-in HTTP authentication
- Designed relational database with SQLAlchemy ORM to securely retrieve and store user data & associated experience hours

#### Website Developer | YL Law Firm

01/2023-11/2023

*Designed and created a law firm web application to enhance users's online experience by using WordPress*

- Designed and developed the official website for the start-up law firm, ensuring a professional online presence that aligns with the firm's brand and values, increasing positive user feedback by 25%
- Optimized the website for search engines (SEO) to improve online visibility, resulting in a 25% increase in organic traffic

### SOFTWARE ENGINEERING APPLICATION

#### Gather | Restaurant Selecting App

2022

- Led a team of 4 engineers by using agile methodologies and converting design architecture to succeed in developing a full-stack web application using React, MongoDB, and FastAPI
- Adopted third-party YelpAPI to conditionally load recommended restaurant data based on user preferences, significantly expanding its functionality and providing users with a comprehensive experience
- Developed and executed 4 unit test cases to ensure optimal functionality and reliability of endpoints

#### CarCar | Car Dealership Management System

2022

- Designed and developed a scalable, RESTful microservice for managing car service appointments and sales to improve the efficiency and reliability of the car dealership management system
- Built React 7 components across 3 microservices using a Single Page Application (SPA), promoting agile delivery of new functionalities
- Adopted polling stays synchronized with the inventory system to minimize discrepancies and ensure accurate and up-to-date information for sales personnel and customers

#### Conference Go | Conference Booking App

2021

- Led a major architectural transition from a monolithic system to a microservices-based architecture, employing domain-driven design principles to modularize the application. This overhaul resulted in improved scalability and maintainability
- Structured and optimized a RESTful API using Django to enhance data manipulation and integration with the frontend
- Implemented Docker for development and containerization, reducing deployment time by 30% and fostering enhanced team collaboration. This contributed to a 20% increase in development velocity for the project

### EDUCATION

**Hack Reactor Bootcamp** | Software Engineering 1000hrs+

2022

**CS50** | Harvard Online

2021

**Some College** | China

2010

### EXTRACURRICULAR ACTIVITIES

Founder of Wellness Studio | Changchun Dog Sanctuary Volunteer | Girls in Tech in SF Rewards