# 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, Scratchl, 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

## PROFESSIONAL EXPERIENCE

**Code Coach** | theCoderSchool                                                                01/2024-Current
*Teaching kids how to code and build games from scratch by using different programming language*
- 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 dynamic web and  mobile  application to meet the specific needs of volunteers working in a health clinic environment*
- Collaborated with a large development team and designers to develop a user-friendly web and mobile application
- Utilized React.js and built  components to create an interactive user interface and integrated Material UI for front-end design
- Adopted Flask-built API to maintain experience hours and related information for users that are volunteers of a health clinic
- Ensured seamless communication between the front-end and back-end systems to provide a cohesive user experience

**Full Stack Software Engineer** | YL Law Firm                                                *01/2023-11/2023*
*Created a dynamic web application to enhance users's online experience*
- 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 restaurants data based on user preferences, significantly expanding its functionality and providing users 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*
**Changchun University of Science and Technology** | Information and Computer Science           2012

## EXTRACURRICULAR ACTIVITIES

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