

Shangjie (Henry) Zheng

(816) 437-5658 | shangjiezh@gmail.com | www.shangjiezheng.com

OBJECTIVE

I am a motivated software developer seeking opportunities in the industry of technology. I am committed to delivering high-quality solutions and eager to contribute to innovative projects. Please let me be grateful for considering my application.

EDUCATION

Southern Methodist University (SMU) Anticipated May 2024
Master of Science in Computer Science GPA: 3.96/4.00
University of Missouri-Kansas City (UMKC) May 2021
Bachelor of Science in Mechanical Engineering GPA: 3.52/4.00

PROFESSIONAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, HTML/CSS, SQL, MATLAB
- **Database and Storage Solutions:** MongoDB, MySQL, Redis, Amazon S3
- **Development Frameworks:** Spring Boot, Django, React, Redux, Node.JS, Express
- **Development Tools and Platforms:** Amazon Web Services, spaCy, NLTK, Postman, Docker, Git/GitHub

ACADEMIC EXPERIENCE

- TA Management System, SMU** | *TypeScript, React, Node.js, MySQL, Jest, GitHub* Fall 2023
- Developed a dynamic full-stack application using React, Node.js, and integrated with MySQL DBMS.
 - Drove development in a Scrum team, overseeing all stages from requirements analysis to application deployment.
 - Utilized software tools for version control (GitHub) and container environments (Docker) during team development.
 - Engineered for Lyle CS department, aiming to efficiently serve 1,000+ students and professors.
- Teaching Assistant, "Fundamentals of Algorithm", SMU** | *Teaching, Algorithm* Feb 2023 – May 2023
- Actively supported the professor and students in the course, effectively addressing inquiries.
 - Responsible for assessing assignments, providing constructive feedback to support students course development.
 - Enhanced students' academic understanding and progress through effective communication and targeted tutoring.
- Roadside Assistance Application, SMU** | *JavaScript, Node.js, EJS, MySQL, HTML, CSS* Spring 2023
- Developed a web-based roadside assistance application for direct communication between drivers and technicians.
 - Designed and implemented intuitive user interface using JavaScript, EJS, HTML and CSS.
 - Engineered back-end functionalities coupled with robust middleware built in Express.js and integrated MySQL DBMS on top of Node.js framework ensuring a reliable and efficient software system.
- Quadcopter Control System, UMKC** | *Python, PID Control System* Fall 2020
- Designed and assessed a multi-input, multi-output feedback control system, ensuring its dynamic responsiveness.
 - Integrated measurement data from physical hardware into software-based embedded PID control algorithm.
 - Programmed the quadcopter for precise roll/pitch actions with rate and angle control for enhanced maneuverability.

PROFESSIONAL EXPERIENCE

- Fuyao Glass Illinois Inc.** Jun 2021 – Jun 2022
Mechanical Engineer Decatur, IL
- Demonstrated comprehensive skills while working across Fabrication, Quality Control, and Engineering departments.
 - Improved process reliability through production monitoring, downtime analysis, and implementing QC strategies.
 - Coordinated cross-department projects, reporting progress to the company, and facilitating management decisions.
- Fuyao Glass Illinois Inc.** Summer, 2018/2019/2020
Engineering Intern Decatur, IL
- Gained expertise and understanding in manufacturing process and the operation strategies adopted by the company.
 - Supported project progress with research and 2/3D AutoCAD designs, enhancing cross-department collaboration.
 - Bridged the communication between Chinese and US engineering teams. Preparing data for management reviews.

HONORS AND AWARDS

- School of Computing and Engineering Dean's List, UMKC Spring/Fall 2017, Spring/Fall 2018, Spring 2021
- Dean's International Scholars Awards, UMKC Jan 2017
- Honor's College, UMKC Jan 2018