

# Shangjie (Henry) Zheng

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## OBJECTIVE

I am a motivated software developer seeking opportunities in the industry of technology, committed to delivering high-quality solutions and eager to contribute to innovative projects. I aim to leverage my skills in a dynamic work environment, driving progress and embracing new challenges.

## 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

**Southern Methodist University** ..... Fall 2023 - Present  
*Graduate Research Assistant | Python, GPT, Gemini, Keras, spaCy* Dallas, TX

- Developed and refined a machine learning software toolset for processing and analyzing legal context data.
- Fine-tuned GPT-3.5, Gemini models to develop specialized classifier using open-source ML libraries (Keras, spaCy).
- Achieved final model capable of translating natural language into logical form, following extensive optimization.

**Southern Methodist University** ..... Fall 2023  
*TA Management System | TypeScript, React, Node.js, MySQL, Jest, GitHub* Dallas, TX

- 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.
- Engineered for Lyle CS department, aiming to efficiently serve 1,000+ students and professors.

**Southern Methodist University** ..... Feb 2023 – May 2023  
*Teaching Assistant, "Fundamentals of Algorithm" | Teaching, Algorithm and Data Structure* Dallas, TX

- 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.

**Southern Methodist University** ..... Spring 2023  
*Roadside Assistance Application | JavaScript, Node.js, EJS, MySQL, HTML, CSS* Dallas, TX

- 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, integrated MySQL DBMS.

## PROFESSIONAL EXPERIENCE

**Fuyao Glass Illinois Inc.** ..... Jun 2021 – Jun 2022  
*Mechanical Engineer | Project Management, Quality Assurance, Computer-Aided Design* 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 | Manufacturing Process, Computer-Aided Design, Engineering Assistance* 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.

## 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