

# Shangjie (Henry) Zheng

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## 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

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

<b>Southern Methodist University</b> .....	Fall 2023 - Present
<i>Graduate Research Assistant   Python, GPT, Gemini, Keras, spaCy</i>	Dallas, TX
<ul style="list-style-type: none"><li>• Developed and refined a machine learning software toolset for processing and analyzing legal context data.</li><li>• Fine-tuned GPT-3.5, Gemini models to develop specialized classifier using open-source ML libraries (Keras, spaCy).</li><li>• Achieved final model capable of translating natural language into logical form, following extensive optimization.</li></ul>	
<b>Southern Methodist University</b> .....	Fall 2023
<i>TA Management System   TypeScript, React, Node.js, MySQL, Jest, GitHub</i>	Dallas, TX
<ul style="list-style-type: none"><li>• Developed a dynamic full-stack application using React, Node.js, and integrated with MySQL DBMS.</li><li>• Drove development in a Scrum team, overseeing all stages from requirements analysis to application deployment.</li><li>• Engineered for Lyle CS department, aiming to efficiently serve 1,000+ students and professors.</li></ul>	
<b>Southern Methodist University</b> .....	Feb 2023 – May 2023
<i>Teaching Assistant, "Fundamentals of Algorithm"   Teaching, Algorithm and Data Structure</i>	Dallas, TX
<ul style="list-style-type: none"><li>• Actively supported the professor and students in the course, effectively addressing inquiries.</li><li>• Responsible for assessing assignments, providing constructive feedback to support students course development.</li><li>• Enhanced students' academic understanding and progress through effective communication and targeted tutoring.</li></ul>	
<b>Southern Methodist University</b> .....	Spring 2023
<i>Roadside Assistance Application   JavaScript, Node.js, EJS, MySQL, HTML, CSS</i>	Dallas, TX
<ul style="list-style-type: none"><li>• Developed a web-based roadside assistance application for direct communication between drivers and technicians.</li><li>• Designed and implemented intuitive user interface using JavaScript, EJS, HTML and CSS.</li><li>• Engineered back-end functionalities coupled with robust middleware built in Express.js, integrated MySQL DBMS.</li></ul>	

## PROFESSIONAL EXPERIENCE

<b>Fuyao Glass Illinois Inc.</b> .....	Jun 2021 – Jun 2022
<i>Mechanical Engineer   Project Management, Quality Assurance, Computer-Aided Design</i>	Decatur, IL
<ul style="list-style-type: none"><li>• Demonstrated comprehensive skills while working across Fabrication, Quality Control, and Engineering departments.</li><li>• Improved process reliability through production monitoring, downtime analysis, and implementing QC strategies.</li><li>• Coordinated cross-department projects, reporting progress to the company, and facilitating management decisions.</li></ul>	
<b>Fuyao Glass Illinois Inc.</b> .....	Summer, 2018/2019/2020
<i>Engineering Intern   Manufacturing Process, Computer-Aided Design, Engineering Assistance</i>	Decatur, IL
<ul style="list-style-type: none"><li>• Gained expertise and understanding in manufacturing process and the operation strategies adopted by the company.</li><li>• Supported project progress with research and 2/3D AutoCAD designs, enhancing cross-department collaboration.</li></ul>	

## 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