

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)	May 2024
<i>Master of Science in Computer Science</i>	GPA: 3.97/4.00
University of Missouri-Kansas City (UMKC)	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, Simulink

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