

# Shuhan (Shawn) Wang

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## EDUCATION

South Dakota State University | *Master of Computer Science*

Brookings, SD | May 2026 (Expected)

Sias University | *Bachelor of Computer Science*

Zhengzhou, China | Aug 2023

Yeungnam University | *Exchange Study*

Daegu, South Korea | Jun 2022

## SKILLS

**Language & Frameworks:** Python, Java, HTML, SQL, PyTorch, FastAPI

**Tech tools:** Git, AWS, Kubernetes, LLMs, Docker, MySQL, OpenSearch, Microsoft Office Suite

## PROFESSIONAL EXPERIENCE

### Machine Learning Engineer Intern

May 2025 - Aug 2025

Eth Tech

Newark, CA

- Designed and deployed an end-to-end **RAG** chatbot integrated with the internal documentation search engine, enabling fast knowledge retrieval through conversational queries.
- Built a **FastAPI** backend to support file uploads to **AWS S3** with automated PDF metadata extraction and storage in **MySQL**.
- Developed a document parsing pipeline using **Sentence-Transformers (all-MiniLM-L6-v2)** to generate embeddings stored in **OpenSearch** and synchronized with metadata for efficient retrieval.
- Deployed **Llama-4 Scout MoE model** as a scalable LLM microservice on **Kubernetes**, ensuring efficient inference and high availability.
- Containerized backend services and LLM models with **Docker** and implemented Kubernetes manifests (Deployments, Services, Persistent Volumes) for production orchestration and reliability.

### Web Developer and DevOps

Jun 2019 - Jun 2023

Jinhaian Hotel

Henan, China

- Maintained and updated the hotel website using **HTML** to ensure accurate, timely, and user-friendly content delivery.
- Planned and executed online **sales campaigns** across major travel platforms (**TikTok, Meituan, Ctrip, Fliggy**), driving an average **30% year-over-year increase in room bookings**.
- Conducted regular hotel data analysis and reporting to support **digital transformation** and operational optimization.
- Managed **customer relationships and resolved service issues**, enhancing guest satisfaction and strengthening brand reputation.

## OTHER EXPERIENCE

### Graduate Technical Assistant

Jan 2025 - Present

University Housing, SDSU

Brookings, SD

- Maintained and updated the **StarRez housing portal** using **HTML** and optimized student classification with **MySQL**, improving staff efficiency in locating student records and managing data.
- Collaborated with **Quadient** to drive digital transformation of campus parcel services by configuring and auditing parcel lockers and managing system data for accuracy.
- Managed university apartments, overseeing **leasing meetings, check-ins, check-outs, and daily operations**; successfully completed leasing of **300+ units before the Fall 2025 semester**, a first-time achievement for the department.

### Duty Manager

Aug 2023 - Aug 2024

NEW LEE KEE Co., Ltd.

Dublin, IE

- Oversaw **quality, service, cleanliness, personnel practices, and operations, increasing revenue by 20%** and improving the restaurant's **Google rating from 3.3 to 4.2**.
- Conducted regular **inventory inspections** on a daily, monthly, and quarterly basis to ensure stock accuracy, quality, and optimal condition.

### Sales Engineer

Jun 2021 - Aug 2021

Ruifu Intelligent Equipment

Henan, China

- **Analyzed client needs** and delivered **technical presentations on intelligent healthcare solutions**, securing contracts with two major hospitals.
- Partnered with backend engineers to design, deploy, and maintain **SaaS-based healthcare platforms**, ensuring seamless client adoption and long-term success.