

Ruikang Guo

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EDUCATION

Syracuse University

M.S. Computer Science

Syracuse, NY, USA | Jun 2023

University of Washington

B.A. Geography (Data Science) minor in Informatics

Seattle, WA, USA | Jun 2021

EXPERIENCE

Day & Nite All Service

NY, USA | July 2023 - Present

[Leading service provider in commercial hospitality industry]

Software Engineer

Full-Stack | GenAI | End-to-End

- **Led GenAI and software strategy** at a 200+ employee facilities firm operating across 13 states — modernized internal systems, improved customer response time by **2+ hours**, and cut support volume by **75+ weekly calls/emails**.
- **Built and deployed a GenAI chatbot** and assistant using **LangChain, LlamaIndex, and OpenAI**, integrated with ERP and internal knowledge library— enabled **24/7** customer support and slashed lookup times by **80%**.
- **Engineered a hybrid RAG pipeline** with **OpenAI, Pinecone, and BM25**, achieving **95%+ accuracy** in real-time insights; automated knowledge base updates using **Docker** and **AWS ECS**.
- **Developed a cross-platform mobile app** with **React Native** and **Strapi**, streamlining legacy workflows and handling **10,000+ annual service requests**.
- **Drove adoption of Notion** for SOPs, training, and cross-team communication; **mentored 2–5 engineers and analysts** on initiatives spanning predictive maintenance, ERP research, and field analytics.
- Partnered with cross-functional teams to **lead digital transformation** for hundreds of field employees.

Soca Networks

Remote, USA | May 2022 - Sep 2022

[Leading startup transforming how candidates find and land jobs with personalized matching.]

Software Developer Intern

Full-Stack | Startup Experience

- **Built a full-stack MVP** using **React, Redux, Spring Boot, and Ant Design**, including **12+ RESTful APIs** and core features that supported **1,000+ monthly active users** and helped secure **\$250K+ in venture funding**.
- **Improved SEO by 40%** and enhanced mobile responsiveness, resulting in a **25% boost in user engagement**.
- Collaborated with a small, agile team to ship critical features under tight deadlines and provide input on product decisions.

PROJECTS

AI Social Simulator

Feb 2025 - Present

<https://github.com/leokwo/unscripted>

- Inspired by Stanford's Generative Agents [research](#) to simulate multi-agent social interactions.
- Designing a custom environment with agents capable of **observe-reflect-plan-act** cycles.
- Integrating LangChain with RAG, **memory stream**, and **embeddings** to simulate dynamic human-like social interactive behaviors.

SKILLS

Backend: Python, FastAPI, RESTful APIs

Frontend: React.js, TypeScript, Redux, Ant Design, Streamlit

Cloud & DevOps: AWS (Lambda, LightSail, EventBridge, ECS), Docker, Nginx, Heroku

AI / ML: LangChain, LangGraph, LlamaIndex, RAG, Embeddings, Pinecone VectorDB

Tools: Git, PowerAutomate, SEO optimization

Certificate: Database Management Certificate - University of Washington (2018)