

STEPHEN KEYEN – AI Engineer

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Detail-oriented AI Engineer aiming to contribute to a forward-thinking organization by leveraging advanced skills in Python, cloud services, machine learning, and deployment tools to solve complex software challenges and develop intelligent, high-performance systems that align with business goals.

EDUCATION

Claremont Graduate University, Claremont, CA

MSc. Information Systems and Technology, (Data Science & Analytics Track).

Shenyang Institute of Engineering, Shenyang, China

BSc. Computer Science and technology

PROJECTS

AI-powered Career Enhancement – Resume Evaluator for Tech industry

- Designed and deployed an intelligent virtual career coach leveraging Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and prompt engineering to provide tailored resume feedback, job alignment insights, and upskilling recommendations for users pursuing careers in tech.
- Integrated LangChain, Streamlit, and OpenAI APIs to build an interactive, real-time interface that adapts responses based on user profile context, resume content, and job market trends, improving guidance accuracy and user engagement.
- Engineered an Agentic RAG pipeline to retrieve contextual data from program handbooks, job listings, and resume standards, enhancing semantic understanding and domain relevance of chatbot responses

College Student Resource Chatbot.

- Developed and deployed an AI-powered college information assistant using Lang Graph, Streamlit, and Lang Smith integration, delivering real-time responses to user queries about academic programs, deadlines, and campus resources
- Engineered user feedback loops using Lang Smith tracing and Streamlit thumbs-up/down widgets, enabling continuous evaluation and improvement of AI response quality and relevance.
- Implemented retrieval-augmented generation (RAG) workflows to enhance chatbot context awareness, error handling, and web-based search integration for up-to-date information delivery.

EXPERIENCE

Machine Learning Intern

LifeNet Health, Virginia Beach, VA

| Aug 2024 – Dec 2024

- Extracted and analyzed large-scale datasets from Microsoft Azure using advanced SQL queries, reducing data retrieval time by 30% and enhancing data pipeline efficiency.
- Collaborated on the engineering of high-impact features (e.g., tissue suitability, ischemic times) using statistical analysis and feature transformation, significantly boosting model accuracy.
- Designed and delivered interactive dashboards and visualizations to highlight key tissue correlation trends, accelerating stakeholder decision-making by 40% through actionable insights.

Teaching Assistant, Database Management Course

Claremont Graduate University, Claremont, CA

| Jan 2024 – May 2024

- Guided graduate students in SQL, database modeling, and data integrity, resulting in a 30% improvement in student performance.
- Led hands-on TA sessions to troubleshoot SQL errors, enhancing students' problem-solving skills and reducing common mistakes by 35%.
- Collaborated with faculty to create structured learning materials, improving course engagement and student comprehension by 25%.

Associate Communications Manager

Prime Home Limited, Abuja, Nigeria

| May 2022 – May 2023

- Directed company-wide deployment of Windows systems and essential IT hardware, ensuring device compatibility and secure configurations.
- Designed, edited, and distributed biweekly internal newsletters to enhance communication and alignment across departments regarding updates, initiatives, and organizational priorities.

- Collaborated with technical teams to support system updates and troubleshoot deployment issues—reinforcing skills in cross-functional communication and system integration.

IT Support Specialist

Nigerian Defense Headquarters, FCT Abuja, Nigeria

| Apr 2021 – Apr 2022

- Managed the deployment and maintenance of IT infrastructure, ensuring secure connectivity and uninterrupted digital operations across key departments.
- Digitized critical records and internal documentation, reducing retrieval time by 50% and improving data security and operational efficiency.
- Strengthened analytical thinking and structured documentation practices essential for organizing datasets and building efficient workflows.

SKILLS

Python (NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Hugging Face, LangChain, LangSmith), Microsoft Azure, SQL, SASS, PostgreSQL, Linux, Flask, Docker, Git/GitHub, VS Code, Streamlit, C, Canva, MS Office365, CSS, HTML, Airflow, Tableau, Seaborn, Agile/ Scrum, OpenAI, Model Evaluation, XaaS, Langchain_postgres.

Advanced Topics:

Prompt Engineering, Fine-tuning LLMs, Agents, Retrieval-Augmented Generation (RAG), Vector Databases.

Awards/Honors

Claremont Graduate University (CGU)

- Center of Information Systems and Technology (CISAT) Fellowship Recipient, 2023-2025
- Certificate of recognition – Student Life, Diversity and leadership – 2025
- CISAT Banner carrier for 98th Commencement ceremony – May 2025
- Best graduating student, class (1703) – Shenyang Institute of Engineering.

Memberships and Affiliations

Secretary – AI for Digital Transformation Club @CGU (AI4DTC)

AI in action – IBM

Hugging Face Community