

Jiarun Han

Solna, Stockholm, Sweden • +46 793 097 678 • jiarunh@kth.se • jiarunhan.com

SUMMARY

AI Engineer specializing in multi-agent systems, LLM pipelines, and knowledge graphs. Experienced in building systems where agents collaborate, reason, and remember — with persistent memory, traceable decision paths, and explainable outputs. Strong background in RAG architectures, ontology-driven knowledge graphs (Neo4j), and production-grade AI frameworks (LangGraph, FastAPI). Seeking full-time roles in AI / multi-agent systems engineering.

EDUCATION

KTH Royal Institute of Technology & Aalto University | M.Sc. ICT Innovation 09/2024 – Now
Stockholm, Sweden & Helsinki, Finland
Specialization: Multi-agent AI orchestration and distributed reasoning

Changchun University of Science and Technology | B.Eng. Robotics & B.Sc. Computer Science 09/2018 – 06/2024
Changchun, China
Dual degree. Foundations in systems programming, machine learning, and autonomous systems.

EXPERIENCE

Ericsson | Master Thesis Intern — AI & Multi-Agent Systems 01/2026 – 06/2026
Stockholm, Sweden

- Designed and evaluated a framework integrating ontology-driven knowledge graphs with multi-agent reasoning for reliable decision-making in enterprise settings.
- Built specialized agent teams (ingestion, validation, conflict detection, planning, auditing) that collaborate to reason over a Neo4j knowledge graph and reduce human intervention.
- Evaluated the system on an infrastructure planning case study in terms of reliability, explainability, and automation.

Tech: Multi-Agent, Knowledge Graph, Neo4j, Ontology, LangGraph, Python

University of Chinese Academy of Sciences | AI Engineer Intern 05/2025 – 08/2025
Beijing, China

- Prototyped a LangGraph-based multi-agent framework with role-like orchestration for dynamic dialogue routing.
- Integrated multi-source data (logs, documents, KPIs) to support RCA-like troubleshooting and improve diagnostic accuracy.
- Applied RAG-based reasoning with query rewriting, embedding retrieval, and document scoring to improve explainability.
- Delivered a prototype with FastAPI + Gradio WebUI supporting user registration, session management, and historical conversation loading.

Tech: LangGraph, RAG, FastAPI, Gradio, pgvector, Docker

Scale AI | AI Evaluator & Senior Reviewer 10/2024 – 05/2025
Remote

- Ranked and refined LLM outputs across code generation, reasoning, and instruction-following tasks; feedback directly used for RLHF fine-tuning.
- Audited 100+ tasks weekly maintaining >95% quality compliance while mentoring junior annotators.
- Designed complex prompts and multi-turn test cases to stress-test model reasoning boundaries.

Tech: LLM Evaluation, Prompt Engineering, Instruction Tuning, RAG

SKILLS

Languages: Python, JavaScript, SQL, Cypher

AI / Multi-Agent: LangGraph, Multi-Agent Frameworks, RAG Pipelines, LLM Evaluation, Agent Orchestration, Prompt Engineering, LoRA/PEFT

Frameworks&Tools: PyTorch, HuggingFace, FastAPI, Gradio, LangChain, Docker, Kiro, Codex, ClaudeCode

Data & Infrastructure: Neo4j, pgvector, Embedding & Retrieval, Google Cloud, SQL