

Kota Kawagoe (川越 航太)

Target Role : Software Engineer / Backend Engineer (AI Systems)

Location : Kanagawa, Japan | Email : kota7kawagoe@gmail.com

Portfolio : <https://project-kk.com> | GitHub : <https://github.com/kota-kawa>

LinkedIn : <https://www.linkedin.com/in/kota-kawa/>

## Summary

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- Built AI systems with Python/FastAPI, focusing on RAG and AI agents. Improved RAG accuracy by  $1.75\times$  in joint research and led development, evaluation, and presentation.

## Skills

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- Programming Languages : Python, TypeScript, SQL
- Web / Application Platform : FastAPI, React, Next.js, Tailwind CSS, PostgreSQL, Redis
- AI / LLM Engineering : RAG, Multi-Agent Systems, LangChain, LangGraph, browser-use
- Infrastructure : Docker, AWS (EC2, VPC, Systems Manager), Linux, Nginx, GitHub Actions

## Key Projects

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- **Browser-Agent (Browser automation agent with Web UI) - [Link](#)**
  - Achieved a 32.6% success rate on WebArena benchmark(N=187; max steps=40; retries=4).
  - Built a browser agent system where users give instructions in chat and watch the LLM control a real browser in real time via noVNC.
- **ChatCore-AI (AI chat & prompt-sharing platform) - [Link](#)**
  - Built a FastAPI/Next.js AI chat platform where users can log in, save conversations, use temporary chats, and share/search prompts.
  - Used PostgreSQL for data persistence and integrated LLM APIs for chat responses.

## Experience

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EdTech Company — Joint Researcher / AI Engineering Intern | Apr 2025 – Present

- Researched a RAG system for an internal knowledge base in a three-member team. Improving accuracy by  $1.75\times$  through data structuring and presenting the results at FIT 2025.
- Collaborated with the customer support team and an engineering team in India to develop a QA chat system, and implemented it in a proof-of-concept environment on AWS.

## Education

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- Keio University Graduate School of Media and Governance — Cyber Informatics  
April 2026 – March 2028 (Expected)
- Kanagawa Institute of Technology — Faculty of Informatics, Department of Information Network Communication | Apr 2021 – Mar 2026 (Taking a year off to study abroad)
- University of North Alabama (Exchange Program : May 2023 – May 2024)
  - Dean's List (Fall 2023), GPA 3.75/4.0
  - Final AI course project: built a face-recognition login system, ranked #1 out of 30 students.

## Activities

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- Matsuo Lab (UTokyo) LLM Competition: Top 4% (70/1800) with LoRA SFT/DPO fine-tuning.
- NCSP'26 (International Workshop): Presented an multi-agent system in an English oral session.

## Languages

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- Japanese: Native | English: Business (TOEIC 715; 1-year study abroad; presentations)