

Kaiwen (Kevin) Guo

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Cornell University

Master of Engineering, Computer Science Major

Ithaca, NY

August 2025 – May 2026

NYU Tandon School of Engineering

New York, NY

B.S. in Computer Science, Mathematics Minor, Cyber Security Minor

January 2023- May 2025

- Cumulative GPA: **3.981/4.0** | NYU Tandon Yearly Dean List | NYU Academic Achievement Award (3/1000)

Coursework: Artificial Intelligence, Machine Learning, Systems Machine Learning, Generative AI, Crowdsourcing

EXPERIENCES/PROJECTS

Sohu Inc

Beijing, China

AI Research Intern

May 2025 – August 2025

- MAJI Multi-Agent Framework:** Designed and led the development of MAJI, a multi-agent framework tailored for computational journalism, optimizing creative questioning in interviews. Demonstrated in 59 real interview sessions, achieving: +42% question coverage, +49% information gain, and +36% depth of interviewee responses.
- TopicWeaver Creative Story Ideation Assistant:** Developed a multi-agent ideation assistant combining iterative divergent thinking with web search, leveraging vector semantic search and keyword expansion. Successfully generated 300+ creative story ideas, empowering editorial teams with rapid ideation and planning support.
- Creativity Degradation:** Found structured output can harm LLM creativity and conducted evaluation on 5 LLMs.
- Research paper (First Author):** *Does Forcing Structured Output Degrade LLM Creativity?* AACL Findings 2025
- Research paper (First Author):** *MAJI: A Multi-Agent Workflow for Augmenting Journalistic Interviews*, ARR July 2025

NYU High Speed Research Network

New York, NY

Research Assistant Intern/Team Lead

September 2023 – May 2025

- Led the Real Time Application Team:** Focused on closed loop research to seamlessly integrate advanced network infrastructure with real-time applications. Contributed to enhancing the Python Client of Corelink, a real-time networking framework. Won NYU DURF Grant and will be presenting at spring CAS Undergraduate Research Conference.
- Collaborated with NYU Fenton Laboratory:** Applied machine learning to real-time neuroscience research, utilizing tools such as HSRN, Kubernetes, Docker, Corelink, Kafka, C++, and Python.
- Facilitated interdisciplinary collaboration:** Coordinated consultations between researchers across various fields, leveraging strong interpersonal skills to identify and address critical research needs.

NYU Flexible AI-Enabled Mechatronics Systems Lab

New York, NY

Research Assistant Intern/Team Lead

May 2024 – May 2025

- Developed an LLM-powered generative AI pipeline:** Designed a generative AI pipeline integrating NLP and Machine Learning to create an AI Course Assistant for NYU students, providing tailored assistance for course-related queries.
- Designed a Professor-Facing Interface:** Built a web-based interface for professors, utilizing the same AI bot to deliver detailed insights on student activities, including performance metrics and discussion quality.
- Research paper (First Author):** *Explore the Possibility of Monitoring Project Member Interactions Using Natural Language Processing*, ASEE Conference 2025

The RL Gant Group Inc.

New York, NY

IT Department Intern

May 2024 – May 2025

- Maintained and Upgraded Company Websites:** Managed and improved the two websites owned by RL Gant Inc.
- Designed Client-Side and Server-Side Architecture:** Created architecture to support real-time updates and automated email responses to customers.
- Developed and Managed SQL Database:** Built and maintained a SQL database to securely store and manage customer information.

NYU Teaching Assistant

New York, NY

Computer Networking TA.

January 2024 – May 2025

- Conducted Office Sessions for Computer Networking:** Guided NYU Tandon students through fundamental networking concepts, including protocols, OSI layers, and tools like Wireshark, while facilitating hands-on lab experiences in packet analysis
- Introduced Cybersecurity Fundamentals:** Provided students with a strong foundation in cybersecurity, offering strategic guidance tailored to course objectives and practical applications.

ORGANIZATIONS

NYU Data Science Club

New York, NY

Co-founder

May 2024 – May 2025

- Designed and developed Kubernetes Cluster for the club,** enabling students to access the Kubernetes cluster to learn fundamental computer networking knowledge and learn about Linux.

SKILLS/AWARDS

Language: Mandarin (native), English (native), Spanish (verbal), Japanese (verbal), Cantonese (verbal)

IT Skill: Python, Java, C++, HTML, MATLAB, SQL, MongoDB, Docker, Kubernetes, Corelink, Kafka, Wireshark, Solidworks, Git.

Badges/Certificates: [NYU Tandon Security in Google Cloud Badge](#), NYU LeetCode Bootcamp certificate