LI, Tianchen

Tsinghua University – Kyoto University Double Degree
China, Japan

EDUCATION

Degree	University	Major	Grade (GPA)	Year
M.Eng	Tsinghua University	Environmental Engineering	3.8 / 4.0	2023-2026
M.Eng	Kyoto University	Environmental Engineering	3.8 / 4.0	2024-2026
B.S.	Northeast Forestry University	Environmental Science	4.2 / 5.0	2019-2023

PERSONAL STRENGTHS

- **Innovation and Impact:** Developed the first AI-powered Q&A system for a traditional environmental enterprise, advancing digital transformation in environmental governance. Initiated a campus coffee project during undergraduate studies, achieving daily sales of 100 cups with a 70% profit margin.
- **Environmental Expertise:** Backed by a solid academic foundation in environmental engineering, with a deep understanding of climate change and decarbonization pathways.
- **AI and Learning Agility:** Passionate about cutting-edge AI technologies like Prompt Engineering, Fine-tuning, and Retrieval-Augmented Generation (RAG). Independently developed a full-stack AI wallpaper generation website, validating the end-to-end product lifecycle from concept to technical implementation.

INTERNSHIP EXPERIENCE

- **Strategic Investment Intern** **Orbbec Inc.** **Dec. 2023 – Apr. 2024**
  Job Details: Conducted in-depth industry research on upstream and downstream sectors from annual reports, financial news to support corporate strategic planning and investment decisions on industrial robotics.
  Key Achievements: Authored a comprehensive industrial robotics industry research report and facilitated collaboration opportunities with AR and industrial AI companies, advancing investment prospects.
- **Data Science Intern** **IMD Future Readiness Center** **Apr. 2024 – Sep. 2024**
  Job Details: Analyzed 3,000+ financial reports and transcripts using NLP techniques to uncover strategic trends in AI, digitalization, supply chains, and sustainability across industries.
  Key Achievements: Identified 100+ strategic themes and authored a report on AI transformation in tech enterprises.
- **LLM Algorithm Intern** **AZURA Tech.** **Sep. 2024 – Jan. 2025**
  Job Details: Built environmental law knowledge database and a hybrid retrieval system to improve performance of AI on Q&A and applied prompt engineering and fine-tuning for more authoritative responses.
  Key Achievements: Boosted response accuracy by 6% and retrieval efficiency by 20%. Formed a methodology to improve the performance of LLM, which is also quickly validated in other areas.

RESEARCH EXPERIENCE

- **National Undergraduate Innovation and Entrepreneurship Program** **May 2022 – May 2023**
  Research Details: Collaborated with an interdisciplinary team to construct a physical model in Python for estimating soil moisture, proposing methods to improve model accuracy.
  Key Achievements: Published an SCI paper (https://www.mdpi.com/2072-4292/14/10/2411), a national invention patent, and two software copyrights.
- **Japan National Environmental Research Project** **Apr. 2024 – Mar. 2025**
  Research Details: Developed a bottom-up industrial process model with Python, integrating life cycle analysis and mixed-integer programming to assess emission reduction and cost-effectiveness under various scenarios.
  Key Achievements: Supported policy recommendations for Japan's industrial carbon neutrality strategies and are expected to be presented at an international conference.

SKILLS

- **Programming Languages:** Python, TypeScript, SQL, MATLAB
- **Languages:** English (business level), Mandarin Chinese (native)

HOBBIES & INTERESTS

- Go Ranked 4-Dan
- Half Marathon Completed in 2 hours
- Coffee enjoyed, made and shared