Jisang Park

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EDUCATION

University of Illinois Urbana-Champaign	Transfer Summer 2024 – Jan 2026
B.S., Information Science + Data Science	**3.94/4.0** GPA
Relevant Coursework: Algo & Data Stru for Data Sci	Concepts of Machine Learning
University of Washington	**Aug 2019 - Jun 2020, Dec 2022 - Jun 2024**
Pre-Science, College of Arts & Sciences	**3.76/4.0** GPA, Dean's List
Relevant Coursework: Information Architecture	Databases and Data Modeling

Work Experience

Samsung SDI	June 2025 – Aug 2025
Data Engineer Intern	*Suwon-si, Republic of Korea*

- Developed a patent-search AI assistant for Samsung SDI using LangChain, FAISS, and Ollama; implemented RAG pipelines, prompt engineering, and session-aware dialogue handling in Streamlit.
- Built a full-stack workflow from Excel data ingestion to embedding-based retrieval, and visualized filing trends to support internal patent analysis.

Republic of Korea Navy	Feb 2021 - Oct 2022
*Military Interpreter	Squad Leader - Sergeant*	**Republic of Korea Navy 3rd Fleet	Yongsan Garrison**

- Facilitated cross-cultural communication between American and Korean military personnel during combined operations, translated sensitive and confidential documents, and led a company of 100 soldiers while completing basic and specialized training in the ROK Navy.

Projects

TEBO Project – Fall Risk & Aging Studies	Jan 2025 – May 2025

- Researched fall risk and frailty in older adults through postural control data analysis, visualization, Python pipeline development, and sway simulation; results published in:
Dey et al. (2025), *Applied Sciences*, https://doi.org/10.3390/app15137458

Sentiment Analysis & Multimodal AI Integration	Aug 2024 – Dec 2024

- Built and optimized sentiment analysis and multimodal AI models, automated data processing and visualization, and deployed computer vision tools using Hugging Face, Pandas, Matplotlib, and PyTorch.

EXTRACURRICULAR ACTIVITIES

Korean Student Association – Web Team Member   **Aug 2024 - Present**
- Led frontend design and migration of the website to a new platform, improving usability and performance while maintaining content updates.

Korean Job Search (KOJOBS) – *Strategy & Planning Team Member*   **Oct 2019 - Mar 2020**
- Planned, organized, and executed job fairs and employer meet & greets specifically tailored for Korean international students, attracting a diverse range of participating employers from multinational corporations.

Skills

Secondary Languages	Korean (Native Fluency), Spanish (Basic Conversational)
Programming Languages	Java, Python, R, mySQL
Tools & Frameworks	LangChain, Streamlit, Hugging Face, PyTorch, FAISS, Ollama, spaCy, Gensim, Pandas, NumPy, Matplotlib, xlwings, BeautifulSoup, Git, GitHub, Excel, Tableau, Power BI