JEONGYOON(JENNY) LEE

+1 (631) 615-9165 | lee.jenny.cs@gmail.com | linkedin.com/in/jeongyoon-lee-2a3b47160/

SUMMARY

Passionate about turning ideas into a responsible, meaningful AI that makes a difference in people's everyday lives. I've been building AI in the legal tech industry as an Applied Scientist, focused on creating technology that helps people work with greater clarity and confidence. I enjoy collaborating with others to build reliable, human-centered AI that connects technology with real user needs.

EXPERIENCE

Applied Scientist Chicago, IL
Relativity Jan 2025 – Present

• Developed **end-to-end Generative AI product** from **model monitoring** and **control plans** and collaborated with Engineering to release the product from limited access to **General Availability (GA)** for all customers and reducing customers' time-to-first use by approximately **10x**.
• Built a schema driven **LLM evaluation** pipeline using Pydantic to validate prompts, labels, and structured model outputs, ensuring consistent data quality and reproducible performance across releases.
• Conducted **qualitative** and **quantitative analysis** across multiple LLM models and configurations, selecting optimal production settings by evaluating performance and cost tradeoffs per configuration.
• Implemented multi-stage validation testing environment in **Python** using **Prefect** and **Kubernetes** infrastructure to run **privacy-safe client evaluations** and **large-scale benchmark** testing on **Databricks**, ensuring reproducibility and compliance across environments.
• Delivered MVPs for early-stage **multi-modal AI initiatives** by partnering with **Product, UX,** and **SMEs** to define features, maintain test environments and design benchmark frameworks expanding capabilities beyond text to **image-based legal documents** across **US, UK,** and **EMEA** clients.

Applied Science Intern Chicago, IL
Relativity Jun 2024 - Aug 2024

• Built and deployed a **multi-modal AI system** for early-access customers in the **production environment**, enhancing e-discovery processes by integrating text and images using **large language models**, identified use cases for legal document management.
• Managed versioning and deployed to production by running **Docker** containers with Prefect flow code in a **Kubernetes** cluster.
• Implemented and tested **GPT vision model** by creating a pipeline using **Databricks** and **Spark** from Azure Data Lake Storage, conducted **cost analysis**, comparing it with traditional text-based AI models.

Graduate Research Assistant Chicago, IL
GLASER Lab, Department of Neurology, Feinberg School of Medicine Jan 2024 - Dec 2024

• Developed **explainable ML/DL models** for interpreting **complex neural interconnectivity** across multi-region brain activities.
• Applied **GRU**, **LSTM**, and **RNN** for modeling brain circuit dynamics using **sequential data**, providing insights into neural activity.
• Enhanced **interpretability** of neural connectivity through **time-series forecasting**, implemented an interdisciplinary approach.

EDUCATION

Northwestern University Evanston, IL
*Master of Science in **Artificial Intelligence*** Dec 2024

Stony Brook University Stony Brook, NY
*Bachelor of Science in **Computer Science** and **Applied Mathematics & Statistics** (Magna Cum Laude)* Dec 2022

SKILLS

Skills & Tools: Python, PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Polars, Spark, Databricks, GCP, Azure Data Lake, Docker, Kubernetes, Prefect, MLflow, pytest, Git, LangChain, Prompt Engineering, GPT, Time Series Forecasting, Causal Inference
Certifications: Amazon Web Services Certified AWS Academy – Cloud Foundations ('24), Machine Learning Foundations ('23)

PROJECTS

Red Teaming Attacks and Defending Attacks on LLMs (LaTeX) - Northwestern Dec 2023

• Researched reliability of **large language models** through Red Teaming Attacks with **prompt engineering** techniques.
• Investigated methods for enhancing **AI alignment** and **reducing biases**, exploring model harmfulness and balancing safety.

LEADERSHIP & ACTIVITIES

Director, YG National Board - Korean American Scientists and Engineers Association (KSEA) Aug 2024 - Present

• Supported the growth of regional Korean American Young Generation groups across the U.S. (~290 members) by helping organize events, guiding new group formations, and coordinating communication between regional chapter leaders and national committee.

Organizer, IMPACTs 2025 National Conference - Korean American Scientists and Engineers Association (KSEA) Mar 2025

• Helped organize national conference (200+ attendees) focused on AI-empowered career growth and leadership development for Korean American scientists and engineers, coordinated program planning and speaker outreach across career, and leadership tracks, fostering collaboration between industry mentors and young professionals.