Jong Inn Park

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EDUCATION

University of Minnesota   Sep 2022 - Jun 2024
Graduate Student | GPA of 3.82/4.0   *Minneapolis, MN*
- Master of Science in Data Science
- Advised by Dongyeop Kang

Sungkyunkwan University   Mar 2013 - Feb 2019
Undergraduate Student | GPA of 3.96/4.5   *Seoul / Suwon, Korea*
- Bachelor of Economics in Statistics
- Bachelor of Science in Systems Management Engineering

EXPERIENCE

University of Minnesota   Jul 2024 - Present
Full Stack Web Developer   *Minneapolis, MN*
- Launched leadership-coaching chatbot for US Naval Academy trainees; built full stack (Vue, FastAPI, PostgreSQL, Celery, RabbitMQ) and deployed a Docker-containerized release to production
- Translate research objectives into product requirements, design ER diagrams and workflow, and run agile sprints

Minnesota NLP Lab   Apr 2023 - May 2025
Graduate Research Intern → Research Engineer   *Minneapolis, MN*
- Implemented LangChain-based multi-agent framework to generate short-form videos on research papers
- Developed Chrome extensions using JavaScript, Python, MongoDB, and Docker to collect user browsing data
- Built pipelines for fine-tuning LLMs (Llama 3, Mistral) using quantization for data efficient instruction-tuning

Piper Sandler   Sep 2023 - Apr 2024
Data Science Intern   *Minneapolis, MN*
- Developed prototype showing topic models and sentiment analysis of earnings call transcripts via Streamlit
- Constructed Python scraping pipelines to collect public financial data for Equity Capital Market group decision

Samsung Card   Jan 2019 - Jul 2022
Data Analyst   *Seoul, Korea*
- Devised automated quality-assurance system for monitoring debt-collection calls with text classification models, which reduced 3 monitoring agents and increased coverage of monitoring from 1% to 100% of monthly calls
- Created text classification models, strategies for building models, data cleansing processes, and model evaluation standards to leverage massive transcribed text data

PUBLICATIONS

How LLMs Comprehend Temporal Meaning in Narratives: A Case Study in Cognitive Evaluation of LLMs   May 2025
ACL 2025 Main
Karin De Langis, **Jong Inn Park**, Andreas Schramm, Bin Hu, Khanh Chi Le, Dongyeop Kang

Stealing Creator's Workflow: A Creator-Inspired Agentic Framework with Iterative Feedback Loop for Improved Scientific Short-form Generation   Apr 2025
Preprint - Paper, Page
Jong Inn Park, Maanas Taneja, Qianwen Wang, Dongyeop Kang

A Framework for Robust Cognitive Evaluation of LLMs   Apr 2025
Preprint - Paper
Karin de Langis, **Jong Inn Park**, Bin Hu, Khanh Chi Le, Andreas Schramm, Michael C Mensink, Andrew Elfenbein, Dongyeop Kang

Consumer Engagement with AI-Powered Search Engines and Implications for the Future of Search Advertising — Aug 2024
AEJMC 2024 Advertising Division - Paper
Gabriel Garlough-Shah, **Jong Inn Park**, *Shirley Anugrah Hayati, Dongyeop Kang, Jisu Huh*

Benchmarking Cognitive Biases in Large Language Models as Evaluators — Aug 2024
Findings of ACL 2024 - Paper, Github, Page
Ryan Koo, Minhwa Lee, Vipul Raheja, **Jong Inn Park**, *Zae Myung Kim, Dongyeop Kang*

SelectLLM: Can LLMs Select Important Instructions to Annotate? — Jan 2024
Preprint - Paper, Github
Ritik Sachin Parkar*, Jaehyung Kim*, **Jong Inn Park**, *Dongyeop Kang*

PROJECTS

LawFlow: Benchmarking Legal Skills and Knowledge — Aug - Oct 2024
Minnesota NLP Lab — *Skills: Nginx, Node.js, MinIO, ChromaDB, React, Flask, MongoDB, Docker*

· Deployed full-stack web application to track lawyers behavioral patterns in consulting; funded by Open Philanthropy

CustomInt: Human and LLM Collaborated Instruction-tuning Datasets Builder — Jan - Jun 2024
Minnesota NLP Lab — *Skills: React, Flask, MongoDB, Docker*

· Built complex web application to help researchers generate and select high-quality instruction-tuning datasets collaborating with LLMs

GraphSumm: Graphical Text Summarization Using Generative AI — Jan - Jun 2024
Capstone Project - Github — *Skills: React, Flask, D3.js, OpenAI API*

· Developed web application using LLMs to transform long transcribed speech data into structured graphical visualizations, enhancing comprehension and engagement in complex meetings or Q&A sessions.

talkative-llm: Open-source Large Language Model Platform — Apr - Aug 2023
Minnesota NLP Lab - Github — *Skills: Python, PyTorch, Transformers*

· Developed platform providing tool for querying Large Language Models, including API-based models (OpenAI, Cohere) and Huggingface models (Used in NLP class - CSCI5541 Fall 2023 / Spring 2024)

SKILLS

Programming Languages: Python, R, SQL, TypeScript, JavaScript, Java
Web Technologies: HTML/CSS, React, Vue.js, Node.js, RabbitMQ, Redis, Nginx, Celery, FastAPI
Data Engineering: PostgreSQL, MySQL, MongoDB, ER Modeling, Web Scraping, ETL
Areas: Natural Language Processing, Large Language Model, Machine Learning, Multi-agent System
Tools & Platforms: Azure Cloud, AWS, Git, Docker, Excel, Tableau, Confluence