Jong Inn Park

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EDUCATION

University of Minnesota   Sep 2022 - May 2024
Graduate Student | GPA of 3.82/4.0   *Twin Cities, 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

Minnesota NLP Lab   Apr 2023 - Present
Graduate Research Intern → Research Engineer / Full Stack Web Developer   *Minneapolis, MN*

· Constructing full-stack web applications for research purposes; utilized React, Flask, MongoDB, and Docker
· Developed Chrome extension using JavaScript, Python, and MongoDB to collect user browsing data, collaborating with MCAL lab to support research about how AI-powered search will affect future advertisement
· Built and published project web pages, developed language model platform with Python, and conducted data analyses, contributing to multiple publications

Piper Sandler   Sep 2023 - Apr 2024
Technology Intern   *Minneapolis, MN*

· Developed a 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*

· Developed web scraping modules and pipelines in Python to collect social media data and analyzed the trend in the credit card business to publish monthly reports for related teams
· 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

Consumer Engagement with AI-Powered Search Engines and Implications for the Future of Search Advertising   Aug 2024
AEJMC 2024 Advertising Division
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*

Under the Surface: Tracking the Artifactuality of LLM-Generated Data   Jan 2024
Preprint (Under review at Computational Linguistics Journal 2024) - Paper, Github, Data, Page
D. Das*, K.D. Langis*, A. Martin*, J. Kim*, M. Lee*, Z.M. Kim*, S. Hayati, R. Owan, B. Hu, R. Parkar, R. Koo, **J.I. Park***, A. Tyagi, L. Ferland, S. Roy, V. Liu, D. Kang*

PROJECTS

CogBench: Evaluating Cognitive Capabilities of Large Language Models   Jun 2024 - Present
Minnesota NLP Lab   *Skills: Nginx, Node.js, React, Flask, MongoDB, Docker*

· Constructing web application to collect researchers' cognitive experiments with LLM

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

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

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

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

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

· Developed platform providing users 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, JavaScript, Java
Web Technologies: HTML/CSS, React, Node.js, D3.js, jQuery, Nginx, Flask, Restful APIs, Chrome Extension
Data Engineering: MySQL, MongoDB, ER Modeling, Web Scraping, ETL
Data Science: Language Model Finetuning, Natural Language Processing, Topic Modeling, Clustering, SVM
Tools & Platforms: Azure Cloud, AWS, Git, Docker, Excel, Tableau, Confluence