SUCHAN LEE

CONTACT

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INTRODUCTION

I am a master's student studying data mining. I am interested in the methodology of applying LLM to various tasks, and I am especially interested in research text editing. I am interested in the finance and entertainment sectors, so I aim to conduct research that can solve problems in those fields.

EDUCATION

2025 – current. Pohang University of Science and Technology (POSTECH)

(advisor: Prof. Hwanjo Yu, co-advisor: Prof. Sangwoo Mo)

Master of Computer Science and Engineering

2020 – 2025. Pohang University of Science and Technology (POSTECH)

Bachelor of Industrial Management and Engineering

WORK EXPERIENCES

July.2023 – current WorldQuant Research Consultant · Free-lancer

WorldQuant is a global quantitative investment firm that develops systematic trading strategies.

• Worked as a freelance research consultant for WorldQuant, developing stock price prediction models and submitting them to WorldQuant's backtesting platform.

Jun.2023 – Aug.2023 Bagelcode RA · intern

Bagelcode is a global social casino gaming company that specializes in data-driven publishing.

• Worked on market research, game genre analysis, and marketing strategy validation using KPIs.

July.2022 – Dec.2022 Penta Security DevOps · intern

Penta Security is a company that sells security solutions for the web and cloud in the form of B2B.

• Implemented the test automation task at the UI level of the web service using Selenium.

• Worked on converting a company product that was installed as hardware to a docker image.

• Contributed create a CI/CD pipeline by writing a script that could automate the installation of Docker images and running containers from an in-house release server.

PROJECTS

December.2023 – February.2024 Show me the politic

A service that analyzes various political interviews and debate videos on YouTube to collect and display the opinions of

politicians and experts on each issue briefly.

• Responsible for project planning and GPT prompting.

2022 PDAO

PDAO is a decentralized organization made up of POSTECH members. It is a code base DAO that is researching blockchain together and developing open-source projects.

• Participated in the strategy team to derive a strategy to promote the adoption of cryptocurrency by the college corporation as an asset item and participated in the development of smart contract to receive donations from the Polkadot chain.

OTHER INFORMATION

Experience

December.2024 – October.2025 Collaborator in The University of Melbourne (host: Prof. Soyeon Caren Han, remote)

• Conducting research on time series prediction using LLM foundation models.

March.2021 – June.2023, September.2024 – December.2024 MSSA, Business strategy research club in POSTECH

• Studied how to explore and present corporate management solutions each semester during the 5th semester.

• Provided strategic consulting for Narma, a Korean drone company, focusing on developing and executing an effective overseas market expansion strategy.

December.2023 – June.2024 Data Science & Artificial Intelligence Lab student intern in KAIST (host: Prof. Chanyoung Park)

• Learned recommendation systems and GNNs.

• Researched on Federated Graph Learning and anomalies detection on bitcoin network.

December.2021 – February.2022 Analytics & Information Management Lab student intern in POSTECH (host: Prof. Minseok Song)

• Learned about process mining in the lab.

• Made a project presentation about how to arrange medical staff for efficient operation of the hospital with patient log data from Seoul National University Hospital.

December.2021 – February.2022 Research assistant in POSTECH Research and Business Development Foundation

• Investigated how Gyeongsangbuk-do could become a carbon industry cluster based on its developed carbon industry as a research assistant.

June.2021 – August.2021 System & Economic Decision Analytics Lab student intern in POSTECH

• Learned how to make rational decisions using limited resources in the lab.

• Studied how to use data mining to derive evidence that can help in decision-making.

• Learned a code that predicts solar power generation with Python.

Awards

2024 4th UNIST-KAIST-POSTECH AI & Data Science Gold Prize

• Participated in a competition aimed at securing innovative ideas to enhance customer convenience in overseas stock investments and broaden investment experience.

• Developed a FinanceRAG model for analyzing U.S. financial disclosure documents and Q&A, achieving 3rd place in search performance.

• Proposed an investment information translation and summarization service for Japanese stock investments, earning the highest score in the service idea category.

2024 DB Finance & Economics Contest Honorable mention

• Wrote a report on the topic ‘Single-stock ETF as an alternative to short selling: Impact on the underlying asset market’.

2023 Interchain Hackathon

• Participated in the Interchain Hackathon at Korea Blockchain Week in 2023 and won the Argus Labs-sponsored gaming track for Onchain Visual Novel.

• Implemented the game's server using an SDK called World Engine that supports Argus Labs' EVM base sharding, and created a web-based HTML game for the client.

• The game is a text-based beautiful girl relationship simulation using GPT-4 API, and I was in charge of the overall planning of the game and the design of the part where LLM is used.

2023 WorldQuant IQC Finalist

• The 2023 International Quant Championship, organized by global quantitative asset management firm WorldQuant, is one of the largest quant competitions in the world.

• It was competition that uses BRAIN, WorldQuant's web-based simulation platform, to develop and backtest various stock price forecasting models.

• In this competition, my team placed in the top 8 in Korea and participated in the national team selection.

Skills

• Languages: Python

• Frameworks: Pytorch, Selenium

• Tools: Docker, Git

• Platforms: Linux, Mac, Windows, Raspberry

Language

Korean	Native
English	Intermediate