

MINWU KIM

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EDUCATION

New York University Abu Dhabi

Aug 2018 - Jun 2024

Bachelor of Science in Computer Science, Minor in Applied Math

Abu Dhabi, UAE

- GPA: 4.0/4.0 (Summa cum laude)
- Relevant Courses: Machine Learning, Reinforcement Learning, Optimization, Probability Theory, Econometrics

RESEARCH AND WORK EXPERIENCES

NYU Deep Reinforcement Learning Lab

Sept 2024 - Present

Researcher (advisor: [Prof. Keith Ross](#))

Abu Dhabi, UAE

- Researching on training Large Language Models (LLMs) to improve reasoning and self-correction ability.

NYU Embodied AI and Robotics Lab

Oct 2023 - Dec 2023 / May 2024 - Aug 2024

Research Assistant (advisor: [Prof. Yi Fang](#))

Abu Dhabi, UAE

- Project 1 - Developed a RAG chatbot for the NYU community, optimized end-to-end with differentiable ranking.
- Project 2 - Developed multi-agent LLM ecosystem for departments in NYU Abu Dhabi.

Dify.AI

June 2024 - Aug 2024

AI Engineer Intern

Suzhou, China

- Architected and developed a no-code drag-and-drop GraphRAG LLM app development platform.

NYU Data Science and AI Lab

June 2024 - August 2024

Researcher (advisor: [Prof. Talal Rahwan](#))

Abu Dhabi, UAE

- Developed a prediction model for identifying potential targets of activist funds in the US stock market; achieved the AUROC of 0.782 and conducted extensive feature importance analysis with SHAP
- Authored [Interpretable Machine Learning Models for Predicting the Next Targets of Activist Funds](#), currently under review by *The Journal of Finance and Data Science*; introduced to *Bloomberg* for integration into their financial data product.

Korea Development Institute

May 2023 - Dec 2023

Research Assistant (advisors: [Prof. Jaehyuk Park](#), [Prof. Seohyun Lee](#))

Sejong, South Korea

- Participated in researching varied long-term impact of 1997 Asian Financial Crisis on Korean elder society; conducted heterogeneous treatment effect analysis with causal forest algorithm using EconML ([log](#)).

Breaking

Feb 2022 - Dec 2022

Software Engineer

Seoul, South Korea

- Co-founded *Breaking*, an online platform which facilitates news reports trading between users and press agencies.
- Designed and developed the RESTful server API with Java Spring Boot and Spring Data JPA ([code](#)).
- Received angel investment offer from the VC *Sherpa Ventures*; won the Bronze prize at *Korea Press Foundation Data Hackathon* and qualified the first round of *Republic of Korea Army Startup Competition*.

EXTRACURRICULAR ACTIVITIES

NYUAD Business and Finance Society

Jan 2022 - Oct 2022

Macroeconomics Analyst

Abu Dhabi, UAE

- Published 40+ macroeconomics articles analyzing topics including Fed's monetary policies, the US-China trade war, chip war, and the decline of the petrodollar system; garnered 30k+ views

TECHNICAL SKILLS

Programming

Python, C/C++, R, Java, Javascript, SQL, Neo4j, Git

Libraries

Pytorch, Numpy, Pandas, Keras, Sklearn, EconML, Langchain, AutoGen

Languages

English (fluent), Chinese (fluent), Korean (native)