

Quang Minh Nguyen

INCOMING MASTER'S STUDENT
KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
GRADUATE SCHOOL OF DATA SCIENCE

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) **Expected, 2026**
Master of Science, Data Science Daejeon, South Korea

Korea Advanced Institute of Science and Technology (KAIST) **August 2024**
Bachelor of Science, Electrical Engineering (Double major: Mathematical Sciences) Daejeon, South Korea

Relevant coursework:

- AI506 Data Mining and Search
- EE412 Foundation of Big Data Analytics, EE424 Introduction to Optimization Techniques, EE477 Database and Big Data Systems, EE538 Neural Networks
- MAS456 Statistical Methods with Computer, MAS473 Introduction to AI with Mathematics
- CS485 Machine Learning for Computer Vision
- HSS312 Computational Social Science

RESEARCH EXPERIENCE

CLVR Lab, KAIST Graduate School of AI **January 2024–March 2024**
Research Intern, Advisor: Professor Joseph J. Lim Seoul, South Korea
I worked on reasoning mechanisms for decision-making systems, which can be applied to both logical (e.g., natural language) and physical (e.g., robotics) domains.

Geometric AI Lab, KAIST School of Computing **June 2023–August 2023**
Research Intern, Advisor: Professor Minhyuk Sung Daejeon, South Korea
My research focused on finding representations in the joint text-image latent space that allow pretrained diffusion models to generate relations between objects that are unlikely in the training data.

Chungnam National University – KAIST – KISDI **April 2023–December 2023**
Research Assistant, Advisor: Professor June Jeon Daejeon, South Korea
My research focused on analysing trends and correspondences in renewable energy discourse across multiple domains (e.g., scientific publications and federal registers) using topic modeling and network analysis methods.

PRESENTATIONS

"Multiple Dimensions of Ignorance in Renewable Energy Research: An approach by bridging STS and SOC," Society for Social Studies of Science (4S), Honolulu, USA, 2023. 11. *Co-Presenting with Professor June Jeon.*

MENTORING EXPERIENCE

KAIST International Scholar and Student Services **November 2022–June 2023**
Academic Coach for Linear Algebra and Discrete Mathematics Daejeon, South Korea

SKILLS

Programming languages Python, C, C++, R, MATLAB

Machine learning PyTorch, Diffusers, TensorBoard, WandB

Database SQL, Google Cloud Platform

Data processing Apache Spark, Apache Hadoop, scikit-learn, Pandas, Numpy

Data visualisation Matplotlib, Dash, Plotly

Developer tools Git, Docker, Linux, VSCode