SuHyun Bae

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github.com/Ricepunchb

Education

Korea University, BS in Mathematics   2018.03 – 2024.02
- **Coursework:** Algorithm, Mathematics in AI, Deep Learning, Vector Calculus, Linear Algebra, Mathematical Analysis, Numerical Analysis, Topology, Number Theory, Abstract Algebra

Korea University, MS in Mathematical Data Science   2024.03 – Present
- **Coursework:** Mathematics and AI

Experience

Data Scientist, SK Magic – AI Business Development Team   2024.07 – 2025.01
- Designed algorithms and developed data-driven models for recommending optimal installation locations of new products
- Conducted technical feasibility analysis and implementation assessments for business proposals
- Planned and conducted technical reviews for integrating digital healthcare models into new products within a DevOps environment

Publications

Exploring Hallucination Types in Question-Answering Generation and Limitation of Text Evaluation Metrics   2024.06

SuHyun Bae, DongHun Lee

KCC 2024, pp 450-452

Projects

AGC 2023   2023.07 - 12
- Generated and refined a dataset using 'GPT 3.5' via 'openai-API' to fine-tune a model for answering multi-answer questions
- Won 7th place

Grokking and Hallucination   2025.03 - PRESENT
- Grokking on sLLMs and logical structures that use natural language
- Reduce hallucination in reasoning chains via grokking

Technologies

Program Languages: Python, Matlab

Tools: Docker, Linux, Pytorch, Hugging Face