

Seouh-won YI, Master Student

✉ uniqueseouh@snu.ac.kr

in linkedin

📞 010-8983-9681



Research Interests: Contextual Bandits, Reinforcement Learning, Statistical Learning

Education

- 2023 – **M.Sc. Candidate in Data Science, Seoul National University.**
Thesis title: *Exploration via Feature Perturbation in Contextual Bandits.*
Advisor: Min-hwan Oh
- 2017 – 2023 **B.Sc., Mathematics, Korea University**, Summa cum laude
B.A., Statistics, Korea University.

Projects

- 2022 **Facial Image Analysis.**
- Age and emotion analysis of facial image data using CNN modeling.
- Analyzing the emotion distribution of photos by age group based on the analyzed data.
- 2023 **Advanced Map for Pedestrians with Mobility Impairments.**
- Implementation of an enhanced pathfinding map reflecting slope using RDBMS and Neo4j.
- Augmented display of nearby facilities for pedestrians with mobility impairments.
- Web service implementation using Python Streamlit package.
- User-Friendly Movie Recommendation System**
- Recommendation system based on user input (mood, filter, anti-Filter, etc.).
- Plot-based recommendation system utilizing a database via LangChain.
- 2024 **Essay Writing Assistance for U.S. High School Students.**
- Providing an ideal essay draft for each prompt question using LangChain.
- Utilizing a Chain-of-Thought approach to self-generate feedback on the draft and revise the essay.
- Offering a visual and useful service using the Python Streamlit package.

Miscellaneous Experience

- 2019 – 2021 **Military Service**, Republic of Korea Army.

Competitions

- 2022 **2022 Defense AI Competition**, AI CONNECT.
Building Change Detection Using Aerial Image Data (Using CNN), 43th / 110.
- 2024 **Auto-Bidding in Uncertain Environment**, NeurIPS 2024.
Designing an Online Second-Price Auction Bidding Strategy with Alibaba cloud data.

Awards and Achievements

- 2022 **Fund Scholarship (Dept. of Mathematics SIGMA)**, Korea University.
- President's Award**, Korea University.
- 2021 **Dean's Award**, Korea University.
- 2019 **Dean's Award**, Korea University.
- 2018 **Special Scholarship for Student Affairs**, Korea University.

Miscellaneous Experience (continued)

2017 ━ Special Scholarship for Student Affairs, Korea University.

Teaching Assistant

- 2023-Fall ━ Machine Learning & Deep Learning for Data Science 1, Seoul National University.
━ Data Science Basics & Applications, Seoul National University.
- 2023-Summer ━ Data Science Bootcamp: Mathematics/Statistics, Seoul National University.

Skills

- Languages ━ English(TEPS 447), Japanese(Intermediate), French(Elementary)
- Coding ━ Python, R, C(C++), SQL, L^AT_EX
- Databases ━ MySQL, PostgreSQL, Neo4j.
- Web Dev ━ HTML, css, Streamlit.