

SIMON AYTES

+1 (313) · 806 · 6429 ◇ simon@aytes.net

www.saytes.io ◇ [/in/simonaytes](https://in/simonaytes)

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

Seoul, South Korea

M.S. in Artificial Intelligence

Expected Graduation: 2026

Graduate Student Researcher at MLAI Lab. Advisor: Prof. Sung Ju Hwang.

Lehman College, City University of New York

New York, NY

Bachelor of Science in Computer Science

Class of 2022

Cumulative GPA: 3.9/4.0; *summa cum laude*

PROFESSIONAL EXPERIENCE

MLAI Lab, KAIST

Seoul, South Korea

Graduate Student Researcher

March 2024 – Present

- Conducting cutting-edge research in large language models (LLMs) with a focus on improving elite sample selection for in-context learning, advancing the capabilities of AI in this area.
- Evaluating models on few-shot image classification tasks, employing advanced techniques to improve performance in low-data scenarios, contributing to innovations in automated data analysis.

Penta Group

New York, NY

Data Scientist

September 2021 – February 2024

- Developed an industry-first social listening tool targeting TikTok, utilizing AI-based machine transcription and topic-modeling algorithms to extract and track themes of conversation, showcasing skills in NLP and automated data analysis.
- Created and deployed a web-based solution to deliver analytical tools developed in Python to analysts; implemented interactive dashboards and enabled seamless data exploration, reflecting a practical approach to AI solutions.
- Pioneered novel analysis and data mining techniques for various media streams, including both traditional news media and social media content, demonstrating versatility in handling diverse data sources.

NASA Langley Research Center

Hampton, VA

Mixed-Reality Research Intern

August 2019 - August 2021

- Designed and developed an applied data science VR application using Unity3D and Unreal Engine, combining immersive technology with data analysis to explore new ways of interacting with complex datasets.
- Conducted stakeholder interviews to inform a user-centric development process, ensuring that the VR solutions met the practical needs of users, emphasizing a client-focused approach.
- Conceptualized and developed a Virtual Reality prototype for data visualization and analysis, providing innovative solutions for data interaction, relevant to visual inspection and complex data analysis tasks.

SKILLS

Programming Languages

Python, R, SQL, C#, C++, Git

Software

Jupyter Notebooks, TensorFlow, PyTorch, Excel

Packages

TensorFlow, PyTorch, Scikit-Learn, Pandas, NLTK, Keras, Numpy

Research Focus

LLMs, In-Context Learning, Few-Shot Learning, NLP

Spoken Languages

English (Native); German (Proficient); Korean (Elementary)