

Eury Sohn

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Education

University of Wisconsin-Madison

MS in Information | 3.7/4.0

• Researcher at NLP Lab

• **Courses:** Data Science, Programming for Data Science, SQL, Statistical Theory and Methods, Learning Skills through Case Studies, Artificial Intelligence, Machine Learning, Statistical Learning

Wisconsin, US

September 2022 - Current

Yonsei University

BS in Technology and Management | 4.15/4.3

• Worked as Teacher's Assistant and Researcher at AI analytics lab

• **Scholarship:** Social Innovation Scholarship (2019 - 2021)

Seoul, Korea

March 2017 - August 2022

Work Experience

Volvo Trucks

Continuous Improvement Intern

- Assisted in the creation of VPS SCM application by developing application and metrics via python algorithms.
- Automated OU analytics to manage pipeline and develop deal shape for 3 core offers.
- Significantly boosted the model's accuracy by 60%, which was yielding an accuracy of 70-78% .
- Develop labelling guidelines for DL and create efficient SQL queries by relational database methods.
- **Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Sharepoint, Microsoft, SQL.

Maryland, US

May 2023 - Present

University of Wisconsin Madison

Graduate Research Intern

- Classification and model building via unclassified methods and feature selection for topic extraction in field of NLP
- Automated OU analytics to manage pipeline and develop deal shape for 3 core offers.
- Created ethnic prediction model via Naive Bayes machine learning with accuracy of 85% with 95% AUC.
- **Technical Skills:** Feature Selection, Linear Regression, Sentiment Analysis, K-means clustering via Pandas, ROC, Naive Bayes.

Wisconsin, US

April 2023 - Present

Ministry of Environment

Consultant

- Optimize warehouse storage and provide insight through Linear Programming. Build predictive models of future predicative trends via website scraping and cleansing.
- Developed SQL database and pipeline flow cutting down business by 12%
- Mitigate impact of risks in decision making via creation of knowledge handbook .
- **Technical Skills:** Selenium, Beautiful Soup, SQL, Linear Programming.

Seoul, Korea

June 2022 - December 2022

Recoffery

Data Scientist

- Creation of focus group interviews, expertise finding topic extraction via LDA, increasing efficiency via 8%
- Creation of GPS system using API integration for optimised fuel use, increasing profit margin by 27%
- **Technical Skills:** API Integration, PyLDA, NLP, Bert, Topic Extraction, .

Seoul, Korea

March 2019 - March 2022

University Projects

Global Engagement forum

UN Sustainable Development

- Developed a new business model to win first place while coordinating cross-functionally within a team environment, winning first place.
- Creation of heuristic testing metrics and research design for NGOs by creating Power BI

Incheon, Korea

July 2022 - August 2022

TIPA

Yonsei University

- Maintained accuracy in turning graph materials into table format while classifying graph type and creating vectorized images and scalar algorithms.
- Wrote conference paper in IEEE.
- **Technical Skills:** Python with Pandas, Image detection, Image classification, Edge detection, Node classification.

Incheon, Korea

Nov 2021 - Dec 2022

Achievements

2020 **1st Place**, Social Innovation through Makerspace Idea Contest

Korea

2019 **1st Place**, KOICA Social Innovation Policy Competition

Korea

2019 **1st Place**, Krafon VR Culture Analysis

Korea

2018 **1st Place**, Yonsei-Nexon RC Creative Platform

Korea

Skills

Programming

Python, SQL, R, MongoDB, Oracle, Machine Learning, Keras, Pytorch, Linear Programming, NLP, Topic Selection, Sentiment Analysis, Tableau, ERP & TMS system, Image Classification, Supply Chain Management, SQL.

References available upon request.