

SUMIN BAEK

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location : Busan, Korea

Education	Dong-A University (DAU) – Busan, Korea <i>Intelligence</i>	March 2021 - <i>Present Artificial Intelligence</i>
Research Experience	DAU Data Science Labs <i>Undergraduate Research Intern</i>	December 2021 – <i>Present</i>
	<ul style="list-style-type: none">• Conducting and assisting research with Prof.Jungkyu Han and Prof.Sejin Chun• Published some paper that named Handling Missing Data with Graph Representation Learning	
Activities	Professional Training <i>Artificial Intelligence and Big Data Practical Training</i>	October 2021 - December 2021
	<ul style="list-style-type: none">• Analyzed Knowledge Graph-based data and Domain Knowledge modeling• Predicted values by regressing the public data (Machine Learning)	
	Award - Ministry Of Trade, Industry And Energy, Korea <i>2022 MOTIE Open Data-Based Business Idea Competition (Development)</i> Achievement : <i>Encouragement Award</i>	August 2022
	<ul style="list-style-type: none">• Developed and presented Electricity bill that how much energy you use and when you use it• Created a customer database to connect server and resulting in calculation Time of use plan	
Presentation	Handling Missing Data	February 2022
	<ul style="list-style-type: none">• Defined Missing data domains and classification according to the cause of missing values• Introduced to the solve Model that use Mean and Multivariate Imputation by chained equations	
	RNN-Based Data Interpolation Reliable TOU plan Service	August 2022
	<ul style="list-style-type: none">• Announced the recurrent neural network model used for energy/power big data analysis through the grand challenge	
	Towards Missing Electric power data Imputation for energy management systems	September 2022
	<ul style="list-style-type: none">• Presented to use missing data that Linear Interpolation and support vector regression method	
Major Skills	Programming : Python, C, C++, Latex ML/DL : PyTorch, Scikit-Learn Data skill : SQL, GraphDB, Numpy/Pandas/Matplotlib SW Dev : Flask, MongoDB	

References

Prof. Jungkyu Han

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence Email: jkhan@dau.ac.kr

Prof. Sejin Chun

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence Email: sjchun@dau.ac.kr