# JONGBIN WON

Undergraduate Student
studying Computational Linguistics, or NLP

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## SUMMARY

Jongbin Won is undergraduate student, studying Linguistics and Artificial intelligence. He is interested in **Knowledge representaion, Word Embedding and GNN(Graph Neural Network)**. Thesedays, he is working on **Multimodal Abductive Resoning based on Korean texts, using CLIP model.**

## TECH STACKS

**Languages:**    Python, C, C++, Javascript

**Tools:**    Docker, Ubuntu, Pytorch, Huggingface

## EDUCATION

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| 3/2018 - 8/2024 | **B.A. in Linguistics** | **Korea University (Seoul)** |
| | especially interested in Computational Linguistics, Cognitive Linguistics, and Language Acquisition | |
| | **B.Sc. in Artificial Intelligence** | **Korea University (Seoul)** |
| | especially interested in NLP. Graph Algorithms, and database/dataset | |

## PROJECTS

NLP    **2018 Naver NLP Challenge (NER Task)**    **Github Link**
Final Term Project in Langage & Computer Class(LING405). I bulit a Naïve Bayes classifier model to perform the NER task based on my own linguistic features and achieved an accuracy of 88.15% on test dataset.

**BLUES: Depression Pre-Warning System for College Web Community Users**    **Revising...**
Final Team Project in Language & Artificial Intelligence Class(LING414) and **won honorable mentions and cash prizes in Digital SW Convergence Content Contest(Korea Univ. Campus town)** After crawling & pre-processing text datasets from college web community(에브리타임), we used both statistical methods and deep-learning models to classify people at risk of depression.

Tabular Data    **Developing a Model to predict OSMU(One-Source Multi-Use) in Webtoons**    **GoogleDrive & Colab Link**
Final Team Project in Machine Learning Class(COSE362). We crawled, labeled, and pre-processed our own Naver Webtoon datasets (we'll soon upload it on Kaggle) and tried Machine Learning Methods (XG-Boost, SVM, etc) to classify the one likely to utilized as OSMU content.

## EXPERIENCE

5/2022 – Present    **Project & Research Intern**    **Research Institute for Language and Information**
· **Participated in the project building Medical/Legal Training/Evaluation Datasets**. This national project was funded by the National Information society Agency. (5/2022 – 12/2022)
· **Research on Viability of Korean Visual Abductive Reasoning, using VisualBERT and CLIP models.** This research project is funded by the National Institute of Korean Language and National Research Foundation of Korea. (11/2022 – Present)

8/2022 – 11/2023    **On-the-Job Training for Machine Learning and Deep Learning**    **Korea Univ. Campus Town**
· Trained on basic machine learning/deep learning algorithms and their applications, utilizing Numpy, Pandas, Matplotlib and Tensorflow.

12/2022 – Present    **CLING(Computational Linguistics Club)**    **Department of Linguistics, Korea Univ.**
· Teaching and studying together Python OOP, Data Analytics, and Natural Language Processing.

## LANGUAGES

**English** - TOEIC 930pt, **Korean** - native, **German** - studying, **Japanese** - studying