

YONGSIN PARK

yongsin.nlp@gmail.com ◇ <https://yongsinp.github.io>

PROFESSIONAL & RESEARCH EXPERIENCE

NLP Research Lab, NHN dquest, Inc.

Senior Researcher, Foundational Technologies Team

Associate Researcher, Foundational Technologies Team

Seoul, South Korea

Mar. 2022 - Jun. 2023

Feb. 2019 - Feb. 2022

- Worked on language analyzers for efficient, flexible, and robust text processing, as well as information retrieval and extraction systems to help users obtain information and gain insight from large volumes of text.
- Worked with government organizations, finance companies, and education and healthcare institutions.

Intelligent Systems Lab, Dong-A University

Graduate Researcher

Undergraduate Researcher

Busan, South Korea

Sep. 2017 - Feb. 2019

Dec. 2015 - Aug. 2017

- Worked on language analysis for a more accurate understanding of text and user intent, and machine reading comprehension for improved information retrieval.

EDUCATION

Master of Science in Computer Engineering

Dong-A University

Integrated Undergraduate-Graduate Program

Busan, South Korea

Sep. 2017 - Feb. 2019¹

Cumulative GPA: 4.31/4.5 (**3.91/4.0**)

Bachelor of Engineering in Computer Engineering

Dong-A University

Integrated Undergraduate-Graduate Program

Top Student in the Class of 2018²

Busan, South Korea

Mar. 2014 - Aug. 2017¹

Cumulative GPA: 4.38/4.5 (**3.97/4.0**)

Pusan Foreign Language High School

Major: Japanese / Minor: French

Busan, South Korea

THESES & REFEREED PUBLICATIONS

Machine Reading Comprehension Utilizing Language Analysis Results

Master's Thesis, Advised by Youngjoong Ko

CNN-based Speech-act Classification Using Sentence Types and Modalities

Yongsin Park, Youngjoong Ko

Proceedings of the 30th Annual Conference on Human and Cognitive Language Technology

AWARDS & HONORS³

Bronze Prize, Korean Information Processing System Competition

National Institute of Korean Language

Oct. 2016

National Science & Engineering Undergraduate Scholarship (Full Scholarship, Merit-based, 2 Years)

Ministry of Science, ICT and Future Planning and the Korea Student Aid Foundation

Mar. 2016 - Aug. 2017¹

Academic Excellence Scholarship (Full Scholarship, Merit-based)

Graduate School of Dong-A University

Sep. 2017 - Feb. 2019¹

¹Early graduation.

²Graduated with the class of 2017.

³I was supposed to receive a merit-based Academic Excellence Scholarship during my undergraduate studies starting in my sophomore year, but I was already receiving a faculty scholarship so it was offered to the next student.

PROJECTS

Language Analysis

- Danchoo - A collection of deep learning (DL)-based part-of-speech (POS) tagging, named entity recognition (NER), dependency parsing, and semantic role labeling models, Undergraduate Graduation Project & Thesis
- JIANA - A rule-based & statistical POS tagger
- JIANA Cotton - A rule-based POS Tagger optimized for search engines (Mariner & Diver)
- PLOT - A rule-based NER system
- DL NER - A rule-based & DL-based NER model
- DISA - A rule-based speech act (SA) classifier
- SA Classification Using Sentence Types and Modalities - A rule-based & DL-based SA classifier
- Spelling & Spacing Correctors - DL-based autocorrect models with statistical post-processing
- TimeWise NER - A dataset for extracting time entities (time, date, day of week, etc.) from text

Information Retrieval & Extraction

- Entity Linking for Expanding WiseWordNet - Extracting named entities and their information from Wikipedia documents and anchor texts to match the entities found in texts to the ones stored in knowledge bases
- MRC Utilizing Language Analysis Results - A DL-based English machine reading comprehension (MRC) model
- Korean MRC - A DL-based Korean MRC model
- Legal Consultation Summarization - A DL-based abstractive summarization
- University Student Support System - A recommendation system for finding courses, and job opportunities
- Content Recommendation System - A recommendation system for finding trending, and related content

Others

- DL Server - A system for training, deploying, and managing DL models
- AI Criminal Investigation Support System - Extracting and masking personal data, and automatic sentence completion for police reports
- ChatBeot - A chatbot based on dynamic dialogue transition network for dialogue management

SKILLS

Natural Languages

Korean, English, and Japanese

Programming Languages

Python, Java, C/C++, and Bash

Comfortable with

Regular Expressions, Git/GitFlow, Linux, Docker, SQL, and Databases(MySQL/Maria DB, and Oracle DB)

CERTIFICATES

Engineer, Information Processing

Human Resources Development Service of Korea

Nov. 2020

Japanese-Language Proficiency Test (N1)

The Japan Foundation

Dec. 2010

Linguistics Course Certificate

Miracles of Human Language: An Introduction to Linguistics, Leiden University via Coursera

Dec. 2023

OTHERS

Seoul Queer Culture Festival (Seoul Pride) / Korea Queer Film Festival

Organizing Committee

Feb. 2023 - Now

Tokyo Rainbow Pride SQCF Representative

Apr. 2023

Volunteer

Jul. 2022