YONGSIN PARK

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PROFESSIONAL & RESEARCH EXPERIENCE

NLP Research Lab, NHN diquest, Inc. | Seoul, South Korea
Senior Researcher, Foundational Technologies Team | *Mar. 2022 - Jun. 2023*
Associate Researcher, Foundational Technologies Team | *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 | Busan, South Korea
Graduate Researcher | *Sep. 2017 - Feb. 2019*
Undergraduate Researcher | *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 Computational Linguistics | Seattle, USA
University of Washington | *Sep. 2024 - Now*
| Cumulative GPA: N/A

Master of Science in Computer Engineering | Busan, South Korea
Dong-A University | *Sep. 2017 - Feb. 2019* [1]
Integrated Undergraduate-Graduate Program | Cumulative GPA: 4.31/4.5 **(3.91/4.0)**

Bachelor of Engineering in Computer Engineering | Busan, South Korea
Dong-A University | *Mar. 2014 - Aug. 2017* [1]
Integrated Undergraduate-Graduate Program | Cumulative GPA: 4.38/4.5 **(3.97/4.0)**
Top Student in the Class of 2018 [2]

Pusan Foreign Language High School | Busan, South Korea
Major: Japanese / Minor: French

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 & HONORS [3]

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. 2017* [1]

Academic Excellence Scholarship (Full Scholarship, Merit-based)
Graduate School of Dong-A University | *Sep. 2017 - Feb. 2019* [1]

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[1] Early graduation.

[2] Graduated with the class of 2017.

[3] I 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
- 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*

Iruda Academy
Teaching Assistant   *Apr. 2024 - Now*