

Jongin Kim
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RESEARCH INTERESTS

- Natural Language Processing
- Multilingual NLP (Zero-shot Cross-lingual Learning)
 - Natural Language Understanding (Coreference Resolution)
 - Conversational AI (Persona-grounded Response Generation)

EDUCATION

Yonsei University Seoul, Korea
Master of Science in Digital Analytics Mar. 2020 - Exp. Aug. 2022

- Adviser: Prof. Min Song
- GPA: 4.22 / 4.3

Chung-Ang University Seoul, Korea
Bachelor of Business Administration Mar. 2010 - Feb. 2017

- Minor in Computer Science*
- GPA: 4.09 / 4.5
 - Served and discharged from the Republic of Korea Army Feb. 2012 - Nov. 2013

Ryerson University Toronto, Canada
Exchange Student Aug. 2015 - Dec. 2015

Myungduk Foreign Language High School Seoul, Korea
English and French Major Mar. 2006 - Feb. 2009

PUBLICATIONS

Analysis of Zero-Shot Crosslingual Learning between English and Korean for Named Entity Recognition

Jongin Kim, Nayoung Choi, Seunghyun S. Lim, Jungwhan Kim, Soojin Chung, Hyunsoo Woo, Min Song, and Jinho D. Choi
In *Proceedings of the EMNLP Workshop on Multilingual Representation Learning (MRL)*, 2021
[Anthology] [Paper] [Presentation] [Github]

FantasyCoref: Coreference Resolution on Fantasy Literature Through Omniscient Writer's Point of View

Sooyoun Han, Sumin Seo, Minji Kang, Jongin Kim, Nayoung Choi, Min Song, and Jinho D. Choi
In *Proceedings of the EMNLP Workshop on Computational Models of Reference, Anaphora and Coreference (CRAC)*, 2021
[Anthology] [Paper] [Presentation] [Github]

RESEARCH IN PROGRESS

Indexing Important Drugs from Medical Literature

Riad Alharbey, Jongin Kim, Ali Daud, Min Song, Abdulrahman A. Alshdadi, Malik Khizar Hayat
In *Scientometrics* (Under Review)

RESEARCH EXPERIENCE

DeepText Laboratory, Yonsei University July. 2020 - Present
Research Assistant (Adviser: Prof. Min Song)

◇ Collaborative Research with Prof. Jinho Choi at Emory University

- ◇ Zero-Shot Crosslingual learning for NER
 - Created English-Korean parallel dataset & Improved crosslingual approaches focusing on annotation projection method
- ◇ Coreference Resolution for Fantasy Literature
 - Created new fictional dataset & Experimented with SOTA models

- Indexing Important Drugs from Medical Literature (Under Review)
 - Developed Drug Index to rank drugs concerning their relations with genes using H-Index
- Persona-grounded Response Generation (In progress)
 - Developing Persona consistent dialogue system based on persona encoded graph

HONORS & AWARDS

- Best Excellence Prize & Scholarship in Data Processing Contest, *Yonsei University*, 2020
- Excellence Prize & Scholarship in Data Analysis Contest, *Yonsei University*, 2020
- Grand Prize & Scholarship for excellence in Data Science Project, *Yonsei University*, 2020
- Best Excellence Prize & Scholarship for excellence in Data Science Project, *Yonsei University*, 2020
- Music Recommendation Competition, *Kakao Corp.*, 2020
 - 11th place out of 778 teams in public leader board
- Text Classification Competition, *Ministry of Science and ICT, Korea*, 2020
 - 3rd prize
- Fake News Detection Competition, *Dacon Inc.*, 2020
 - 1st place out of 554 teams in public leader board, 5th place in final leader board
- Sales Prediction for Home Shopping Mall, *National Information Society Agency, Korea*, 2020
 - Best Excellence Prize out of 570 teams
- Academic Excellence Scholarship, *Chung-Ang University*, 2015

RELATED COURSES

Computer Science: Basic Computer Programming, Visual Programming, Data Structure, Software Project, Object-Oriented Programming, Principles of Programming Language, Database Management, Computer Programming, High-Level Programming, Big Data Parallel Processing

Machine Learning & Mathematics: Machine Learning, Advanced Machine Learning, Artificial Intelligence and Deep Learning, Text Mining, Natural Language Processing and Deep Learning, Linear Algebra, Statistical Analysis of Big Data, The Basics of Big Data Analysis, Recommender System

TEACHING

Teaching Assistant for Computer Programming Jan. 2021 - Mar. 2021
Department of Digital Analytics, Yonsei University

- Taught and helped students having difficulty learning Python programming
- Held regular online meetings to review course materials and answer questions in person

RELATED EDUCATION

AI based Big Data Analyst Training Course Aug. 2018 - Feb. 2019
Multicampus (Educational institute under Samsung Group)

- Intensive training on Machine Learning and Deep Learning for Big Data Analysis

WORK EXPERIENCE

B.Braun Korea Co., Ltd. Feb. 2017 - Aug. 2017
Marketing and Sales Intern Seoul, Korea

- Assisted business unit manager in establishing marketing plans for medical equipment
- Supported partners' sales activities

COMPUTER SKILLS

Languages: Python (pytorch, tensorflow, scikit, numpy, pandas), C, C++, Java, Bash, SQL, \LaTeX .

Web Development: HTML, CSS, django