Wooseong Yang

Chicago, Illinois, United States / wyang73@uic.edu

EDUCATION

University of Illinois at Chicago   Chicago, Illinois, United States
Ph.D. in Computer Science   Aug. 2023 – Present
Advisor: Philip S. Yu

University of Texas at Dallas   Richardson, Texas, United States
Master of Science in Computer Science   Aug. 2021 – Aug. 2023
Advisor: Latifur Khan
Thesis: Pre-trained Spanish Language Model for Political Conflict and Violence

Sungkyunkwan University   Seoul, South Korea
Master of Science in Industrial Engineering   Mar. 2019 – Feb. 2021
Advisor: Mye Sohn
Thesis: Source Domain Identification and Cross-domain Knowledge Transfer Method to Alleviate Data Sparsity Problem in Session-based Recommender Systems

Sungkyunkwan University   Seoul, South Korea
Bachelor of Science in Systems Management Engineering   Mar. 2013 – Feb. 2019

PUBLICATION

"**ConfiBERT Spanish: A Pre-trained Language Model for Spanish Politics, Conflict and Violence**", **Wooseong Yang**, Sultan Alsarra, Luay Abdeljaber, Niamat Zawad, Zeinab Delaram, Javier Osorio, Latifur Khan, Patrick Brandt, and Vito D'Orazio, Machine Learning and Natural Language Processing: Models, Systems, Data and Applications", 2023

"**ConfliBERT Arabic: A Pre-trained Language Model for Arabic Politics, Conflict and Violence**", Sultan Alsarra, Luay Abdeljaber, **Wooseong Yang**, Niamat Zawad, Latifur Khan, Patrick Brandt, Javier Osorio, and Vito D'Orazio, Recent Advances in Natural Language Processing, 2023

"**Homogeneous Ensemble Instance Intervals Determination Method of Time Series Data Based on Granular Computing**", Jaewoong Kang, **Wooeong Yang** and Mye Sohn, International Journal of Machine Learning and Computing", 2020

AWARDS & SCHOLARSHIPS

IITP EXECUTIVE EDUCATION COURSE IN CARNEGIE MELLON UNIVERSITY   Jan. 2020 - Jul. 2020
Institute of Information & communications Technology Planning & Evaluation (IITP)
- Studied in Carnegie Mellon University supported by IITP grant funded by Korean government (Ministry of Science and ICT)

KOREA INDUSTRY INTELLIGENTIZATION ASSOCIATION AWARD   Dec. 2019
Future Factory Conference organized by Korean Ministry of Trade, Industry and Energy
- Constructed a digital twin based on cyber physical system technology using worker motion data, designed an application that supports decision-making and applied through comparative analysis of factory design plans including human-machine collaboration processes.

VMS SOLUTIONS SCHOLARSHIP   2019
VMS Solutions Co. Ltd.
- Selected as a scholarship student due to excellent academic performance and excellent research quality.

EXPERIENCES

Universal User Experience Design Lab (U2X Design Lab)   Suwon, South Korea
(Research Intern)   Jan. 2019 – Jun. 2019
- Performed as research internship at U2X Design Lab in Sungkyunkwan University that mainly focuses on Human Computer Interaction (HCI) research.
- Studied HCI papers and conducted project on cognitive engineering using Arduino kit.

Mycelebs, Inc   Seoul, South Korea
(Intern)   Summer 2016
- Performed an internship at Mycelebs that is artificial intelligence (AI) start-up based on recommender systems.
- Collected data from web environment and preprocessed for the learning of the systems.

SKILLS

Computer Programming
- Python (Pytorch, Tensorflow); C/C++