Haneul Yoo

Ph.D. Student

Daejeon, Republic of Korea

+82-10-5269-2387 | haneul.yoo@kaist.ac.kr | haneul-yoo.github.io | haneul-yoo | haneulyoo | HaneulYoo13

About

Haneul Yoo is a Ph.D. student advised by Alice Oh in the School of Computing at KAIST. Her research interest primarily lies in the intersection of natural language processing and computational social science. In particular, she mainly works on (1) understanding historical documents in low-resource languages and (2) applying and utilizing NLP in language education. She believes there are still myriads of underrepresented languages in NLP, and our efforts on low-resource languages can build more culturally-diverse language models. She also believes language learners can contribute to NLP techniques and data and vice versa.

Education

KAIST — *Daejeon, Korea*

Ph.D. in School of Computing — *Sep 2022 - CURRENT*

- Advisor: Alice Oh

KAIST — *Daejeon, Korea*

M.S. in School of Computing — *Sep 2020 - Aug 2022*

- Advisor: Alice Oh

Ajou University — *Suwon, Korea*

B.S. Double Major in Computer Science and Engineering and Digital Media, Graduation with Honors — *Mar 2017 - Aug 2020*

- **University of Wisconsin - Stout**, WI, USA — *Semester Abroad Winter 2018*

Experience

LAMDA Lab — *Suwon, Korea*

Research Intern — *Mar 2020 - Aug 2020*

- Study of Deep Learning Model for Bio-signal (EEG) Analysis
- Advisor: Jungryul Seo and Kyung-Ah Sohn

KEPRI — *Daejeon, Korea*

Research Intern — *Sep 2019 - Feb 2020*

- Development of application services utilizing electric used power data
- Advisor: Moonsuk Choi

CSIRO — *QLD, Australia*

Research Intern — *Jul 2019 - Aug 2019*

- Convolutional deep neural network for detecting cattle in images/videos
- Advisor: Brano Kusy

Indielist — *Suwon, Korea*

Software Engineer & Co-founder — *Jul 2018 - Jun 2019*

- Establishment of an independent music platform and development of iOS application services

Publications

Rethinking Annotation: Can Language Learners Contribute? — *ACL 2023*

Haneul Yoo, Rifki Afina Putri, Changyoon Lee, Youngin Lee, So-Yeon Ahn, Dongyeop Kang, and Alice Oh — *Jul 2023*

RECIPE: How to Integrate ChatGPT into EFL Writing Education *L@S 2023, Work in Progress*

Jieun Han*, **Haneul Yoo***, Yoonsu Kim, Junho Myung, Minsun Kim, Hyunseung Lim, Juho Kim, Tak Yeon Lee, Hwajung Hong, Alice Oh, and So-Yeon Ahn *Jul 2023*

Translating Hanja Historical Documents to Understandable Korean and English *EMNLP 2022, Findings*

Juhee Son*, Jiho Jin*, **Haneul Yoo**, JinYeong Bak, Kyunghyun Cho, and Alice Oh *Dec 2022*

HUE: Pretrained Model and Dataset for Understanding Hanja Documents of Ancient Korea *NAACL 2022, Findings*

Haneul Yoo, Jiho Jin, Juhee Son, JinYeong Bak, Kyunghyun Cho, and Alice Oh *Jul 2022*

Knowledge-Enhanced Evidence Retrieval for Counterargument Generation *EMNLP 2021, Findings*

Yohan Jo, **Haneul Yoo**, JinYeong Bak, Alice Oh, Chris Reed, and Eduard Hovy *Nov 2021*

Image-based Deep Learning Approach for EEG Signal Classification *KICS Summer Conference 2020*

Haneul Yoo, Jungryul Seo, and Kyung-Ah Sohn *Aug 2020*

Proposal and Simulation of Optimal Electric Vehicle Routing Algorithm *KEPCO 2020*

Moonsuk Choi, Inji Choi, Minhae Jang, and **Haneul Yoo** *Mar 2020*

Talks and Teachings

TA AI Tech Boostcamp (Spring 2023, Fall 2022)

TA AI Ethics (Spring 2023), AI and Its Social Impact (Spring 2023), KAIST SoC Colloquium (Fall 2021), Machine Learning (Fall 2022, Spring 2021)

Teacher Python at Suwon Information Science High School (Spring 2020), Java at Maetan High School (Spring 2019)

Academic Services

Volunteer FAccT (2022), COLING (2022)

Reviewer NeurIPS (2021, 2023), EMNLP (2022)

Honors and Awards

KAIST Support Scholarship *KAIST*

Sep 2020 - Current

Graduation with Honors *Ajou University*

Summa Cum Laude (1st place) *Aug 2020*

Outstanding Volunteer Award *Gyeonggi Volunteer Center*

Jun 2020

Special Prize *BIXPO*

BIXPO 2019 *Nov 2019*

Excellence Award *KIPA*

Creative Start-up Competition *Nov 2019*

Academic Excellence Scholarship *Asan Foundation*

Mar 2017 - Aug 2020

References

Alice Oh Professor in School of Computing, KAIST