Chan Young Park

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RESEARCH INTERESTS

Natural language processing, sentiment/emotion analysis, NLP for social good, computational social science, AI ethics and fairness

EDUCATION

Carnegie Mellon University
Ph.D., Language Technologies Institute, School of Computer Science   Aug 2018 - Present
· Adviser: Prof. Yulia Tsvetkov, GPA: 4.06/4.00

University of Washington
Visiting Ph.D. Student, Computer Science & Engineering   Sep 2021 - Present

Yonsei University
M.S., Computer Science, School of Integrated Technology   Mar 2016 - May 2018
B.S., Computer Science, School of Integrated Technology   Mar 2013 - Feb 2016
· Adviser: Prof. Songkuk Kim, M.S. GPA: 4.13/4.00, B.S. GPA: 4.09/4.00
· Magna Cum Laude

INDUSTRY EXPERIENCE

Facebook AI
Research Intern   May 2021 - Sep 2021
· Developed models for *personalized sentiment classification*, specifically explored various pre-training objectives and methodologies to train transformer-based personalized language models. Location: Seattle, WA, Team: AI Integrity, Mentor: Hao Ma, Additional Mentors: Madian Khabsa, Simon Wang, Yuxiao Dong

Adobe Research
Research Intern   May 2019 - Aug 2019
· Developed *language generation models for procedural texts* such as instructions and recipes. Location: San Jose, CA, Team: NLP, Mentor: Doo Soon Kim
Research Intern   Jun 2018 - Aug 2018
· Developed *text segmentation* models. Location: San Jose, CA, Team: NLP, Mentor: Seokhwan Kim

Naver Clova AI
Research Intern   Jul 2017 - Nov 2017
· Conducted Research on Dialog State Tracking and developed a tool to visualize dialog response templates. Location: Seoul, Korea, Team: Dialog Systems, Mentor: Kyungduk Kim

PUBLICATIONS

Chan Young Park*, Julia Mendelsohn*, Anjalie Field*, Yulia Tsvetkov. Challenges and Opportunities in Information Manipulation Detection: An Examination of Wartime Russian Media. In *Findings of the Association for Computational Linguistics: EMNLP 2022.*   **EMNLP 2022**

Chan Young Park*, Julia Mendelsohn*, Anjalie Field*, Yulia Tsvetkov. VoynaSlov: A Data Set of Russian Social Media Activity during the 2022 Ukraine-Russia War. .   **arXiv**

Chan Young Park*, Anjalie Field*, Antonio Theophilo*, Jamelle Watson-Daniels, and Yulia Tsvetkov. An Analysis of Emotions and the Prominence of Positivity in #BlackLivesMatter Tweets. In *Proceedings of the National Academy of Sciences*, 2022.   **PNAS2022**

· Media Coverage: "Analysis of BlackLivesMatter social media content points to the power of positivity in online activism and large-scale social movements" (UW Allen School News, 2022), "Researchers Study Tweets To Understand Roles of Optimism and Hope in the Black Lives Matter Movement" (CMU SCS News, 2022)

Anjalie Field, Chan Young Park, Kevin Z. Lin, and Yulia Tsvetkov. Controlled Analyses of Social Biases in Wikipedia Bios. In *Proceedings of the ACM Web Conference*, 2022.   **WWW 2022**

Chan Young Park, Julia Mendelsohn, Karthik Radhakrishnan, Kinjal Jain, Tushar Kanakagiri, David Jurgens, and Yulia Tsvetkov. Detecting Community Sensitive Norm Violations in Online Conversations. In *Findings of the Association for Computational Linguistics: EMNLP 2021*.   **EMNLP 2021**

Chan Young Park*, Jimin Sun*, Hwijeen Ahn*, Yulia Tsvetkov, and David R. Mortensen. Ranking Transfer Languages with Pragmatically-Motivated Features for Multilingual Sentiment Analysis. In *Proceedings of the Conference of the European Chapter of the Association for Computational Linguistics*, 2021.   **EACL 2021**

Chan Young Park*, Xinru Yan*, Anjalie Field*, and Yulia Tsvetkov. Multilingual Contextual Affective Analysis of LGBT People Portrayals in Wikipedia. In *Proceedings of International AAAI Conference on Web and Social Media*, 2021.   **ICWSM 2021**
· Impact: collaboration with investigative journalists from the Washington Post to collect Chinese social media data and analyze sentiments expressed toward the black population during the pandemic, published as "Video evidence of anti-black discrimination in China over coronavirus fears" (The Washington Post, 2020)

Chan Young Park*, Hwijeen Ahn*, Jimin Sun*, and Jungyun Seo. NLPDove at SemEval-2020 Task 12: Improving Offensive Language Detection with Cross-lingual Transfer. In *Proceedings of the Fourteenth Workshop on Semantic Evaluation*, 2020.   **SemEval 2020**

Chan Young Park and Yulia Tsvetkov. Learning to generate word-and phrase-embeddings for efficient phrase-based neural machine translation. In *Proceedings of the 3rd Workshop on Neural Generation and Translation*, 2019.   **WNGT 2019**

Awards

UChicago Rising Stars in Data Science	Nov 2022
Overseas PhD Scholarship, Korea Foundation of Advanced Studies	Aug 2018 - May 2023
Undergraduate Scholarship, Korea Foundation of Advanced Studies	Mar 2015 - Feb 2016
Excellence Award, Ministry of Science of Korea	May 2015
Full Scholarship, Yonsei University	Mar 2013 - May 2018

Teaching

Guest lecture for Natural Language Processing   Spring 2022
· University of Washington, Gave a lecture on text summarization

Guest lecture for Algorithms for NLP   Fall 2021
· Carnegie Mellon University, Gave a lecture on text summarization

Lecture for Low-Resource NLP Bootcamp   Fall 2020
· Carnegie Mellon University, Led a hands-on learning session for Multilingual NLP

TA for Algorithms for NLP   Fall 2019, Spring 2020
· Carnegie Mellon University, Developed homework assignments; delivered lectures and recitations

TA for Theory of Algorithm   Fall 2016, Fall 2017
· Yonsei University, Developed homework assignments

Service

Mentorship

- · Mentor at CMU K-12 Summit on AI for Social Good Symposium   2022
- · Mentor at CMU Graduate Application Support program   2020, 2021
- · Hwijeen Ahn, CMU, Visiting Student   2020
- · Jimin Sun, CMU, Visiting Student   2020

Reviewing

- · EMNLP 2020, 2021, 2022
- · CoNLL 2021, 2022
- · NAACL SRW 2020, 2021
- · Workshop NLP4PI 2021, 2022

Skills

- · Computer-related: Python, C++, C, Java, React, Django, AWS, SQL, R, MATLAB
- · Natural Language: English, Korean