

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

Preprints

Lucille Njoo*, Chan Young Park*, Octavia Stappart, Marvin Thielk, Yi Chu and Yulia Tsvetkov.
[TalkUp: A Novel Dataset Paving the Way for Understanding Empowering Language](#). . **arXiv 2023**

Jihyung Moon, Dong-Ho Lee, Hyundong Cho, Woojeong Jin, Chan Young Park, Minwoo Kim, Jonathan May, Jay Pujara, and Sungjoon Park. [Analyzing Norm Violations in Live-Stream Chat](#) . . **arXiv 2023**

Conferences/Journals

Shangbin Feng, Chan Young Park, Yuhan Liu and Yulia Tsvetkov. From Pretraining Data to Language Models to Downstream Tasks: Tracking the Trails of Political Biases Leading to Unfair NLP Models. In *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics*. **ACL 2023**

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*, Anjalie Field*, Antonio Theophilo*, Janelle 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. **PNAS 2022**

- 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**

- Received Wikimedia Foundation Research Award of the Year 2023. Two papers were chosen among 180+ research papers published on or about Wikimedia projects during 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

Wikimedia Foundation Research Award of the Year 2023	May 2023
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

- ACL 2023
- 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