

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**
 · Received ACL Best Paper Award.

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*, 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. **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

ACL Best Paper Award	July 2023
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