Kunwoo Park

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EDUCATION

KAIST, Daejeon, South Korea
Ph.D. in Graduate School of Web Science Technology, School of Computing Feb. 2018
- Dissertation topic: Identification and analysis of key factors driving longevity in online social platforms (honored the Outstanding PhD Dissertation Award in School of Computing, KAIST)

KAIST, Daejeon, South Korea
M.S. in Division of Web Science and Technology Feb. 2014
- Dissertation topic: Gender swapping and its effects in MMORPGs

Kwangwoon University, Seoul, South Korea
B.S. in Computer Science Feb. 2012

RESEARCH INTEREST

I study at the intersection of Data science/AI approaches and social science, known as Computational social science. Recent research interest is on online misinformation and fake news, which is a significant problem that not only reduces the probability of long-term usage in online systems but also undermines the credibility of our society.

Below are the examples of my previous research, most of which I presented at top-tier CS conferences:
- Detection of online misinformation and fake news (AAAI '19, FNDM, ongoing)
- Discovery of engagement biases in online ratings (WWW '18, ICWSM '20)
- Identification of factors driving longevity in online social services (CSCW '16, WWW '17)

PEER-REVIEWED PUBLICATIONS

1. **Kunwoo Park**, Haewoon Kwak, Hyunho Song, and Meeyoung Cha."Trust me, I have a Ph.D.: Exposing a high offline status leads to heightened positive interactions in online communities", *to appear at the International AAAI Conference on Web and Social Media (ICWSM)*, 2020.

2. Jeongmin Kim, **Kunwoo Park**, Hyeonho Song, Jaimie Y. Park and Meeyoung Cha."Learning How Spectator Reactions Affect Popularity on Twitch", *to appear at the IEEE International Conference on Big Data and Smart Computing (BigComp)*, 2020. (AR=23.7%)

3. **Kunwoo Park**, Taegyun Kim, Seunghyun Yoon, Meeyoung Cha, and Kyomin Jung."BaitWatcher: A lightweight web interface for checking incongruent news headlines", *to appear at Springer Book Chapters on Fake News, Disinformation, and Misinformation in Social Media (FNDM)*, 2020.

4. Seunghyun Yoon, **Kunwoo Park**, Joongbo Shin, Hongjun Lim, Seungpil Won, Meeyoung Cha and Kyomin Jung. "Detecting Incongruity Between News Headline and Body Text via a Deep Hierarchical Encoder", In *the AAAI Conference on Artificial Intelligence (AAAI)*, 2019. (AR=16%)
   - The first two authors equally contributed to this work.
   - A short version of this work was presented at IPAM deep learning workshop, 2018.
   - This work was featured at YTN, Channel A, Joong daily, and many others (in Korean).

5. **Kunwoo Park**, Meeyoung Cha, and Eunhee Rhim. "Positivity Bias in Customer Satisfaction Ratings" In *the Web Conference (WebConf) Companion*, 2018.
   - This work was featured at etnews (in Korean).

6. **Kunwoo Park** and Meeyoung Cha. "Churn Analysis of Max Level Users in Online Games" In *Journal of Korean Institute of Information Scientists and Engineers*, 2017.
   - This work was featured at Korean broadcasting and daily such as YTN, ThisIsGame, Daily CnC, Yonhap News, Digital Times, Energy Enconomics, and Go Korea (in Korean).

7. **Kunwoo Park**, Meeyoung Cha, Haewoon Kwak, and Kuan-Ta Chen. "Achievement and Friends: Key Factors of Player Retention Vary Across Player Levels in Online Multiplayer Games" In *the International Conference on World Wide Web (WWW) Companion*, 2017.
   - A short version of this work was presented at NetSci 2017.

8. **Kunwoo Park**, Ingmar Weber, Meeyoung Cha, and Chul Lee. "Persistent Sharing of Fitness App Status on Twitter" In *the ACM International Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*, 2016. (AR=25%)
   - A short version of this work was presented at NetSci 2016.
   - This work was featured at Mathematics Donga journal (in Korean).

9. **Kunwoo Park**, Jaewoo Kim, Jaram Park, Meeyoung Cha, Jiin Nam, Seunghyun Yoon, and Eunhee Rhim. "Mining the Minds of Customers from Online Chat Logs" In *the ACM International Conference on Information and Knowledge Management (CIKM)*, 2015. (short paper)

10. Gareth Paul Beeston, Manuel Leon Urrutia, Caroline Halcrow, Xianni Xiao, Lu Liu, Jinchuan Wang, Jinho Jay Kim, and **Kunwoo Park**. "Humour reactions in crisis: a proximal analysis of Chinese posts on sina weibo in reaction to the salt panic of march 2011" In *the International Conference on World Wide Web (WWW) Companion*, 2014.

11. **Kunwoo Park**, Jaram Park, SungKyu Park, Jaewoo Kim, Sejeong Kwon, Jinah Kwak, and Meeyoung Cha. "Voice of the Employees Resonated in Online Bamboo Forests" In *the ICWSM Workshop on Social Computing for Workforce 2.0*, 2013.

12. **Kunwoo Park**, Seonggyu Lee, Eunae Kim, Minjee Park, Juyong Park, and Meeyoung Cha. "Mood and Weather: Feeling the Heat?" In *the International AAAI Conference on Web and Social Media (ICWSM)*, 2013. (short paper)

13. Jing-Kai Lou, **Kunwoo Park**, Meeyoung Cha, Juyong Park, Chin-Laung Lei, and Kuan-Ta Chen. "Gender Swapping and User Behaviors in Online Social Games" In *the International Conference on World Wide Web (WWW)*, 2013. (AR=15%)
    - The first two authors equally contributed to this work.
    - A short version of this work was presented at Workshop on Information in Network (WIN), 2013.
    - This work was featured at Mathematics Donga journal (in Korean).

RESEARCH EXPERIENCE	**Postdoctoral Researcher** at *Qatar Computing Research Institute*, Doha, Qatar	Dec. 2018 – Jan. 2020
	Postdoctoral Researcher at *KAIST*, Daejeon, South Korea	Mar. 2018 – Oct. 2018
	Research Associate at *Qatar Computing Research Institute*, Doha, Qatar	Dec. 2016 – Aug. 2017
	Data Analysis & AI Intern at *Netmarble Games*, Seoul, South Korea	Jul. 2015 – Aug. 2015
	Research Assistant at *Qatar Computing Research Institute*, Doha, Qatar	Feb. 2014 – Aug. 2014
	Trainee at *National Institute for Mathematical Science*, Daejeon, South Korea	Sep. 2012 – Dec. 2012

ACADEMIC SERVICES I have served as a Program Committee of international conferences such as *ICWSM* (2015-2020) and *WebSci* (2019) and reviewed papers submitted to prestigious journals such as *Palgrave Communications* and *Online Information Review*.

SELECTED HONORS	*The Outstanding PhD Thesis Award*, School of Computing, KAIST	Feb. 2018
	Special Prize (the 1st place among college teams), R&D Competition at Artificial Intelligence, the Institute for Information & communications Technology Promotion	Dec. 2017
	NAVER PhD Fellowship Award, NAVER Corp	Jul. 2016
	Creative Award, Tour Big Data Analysis Competition, the Korean Culture & Tourism Institute	Jul. 2014
	Student Travel Grant Award, the ICWSM, AAAI	Jul. 2013
	Smart Award, IBM Smarter Planet Contest, IBM Korea	Oct. 2010

SKILLS Fluency in Quantitative Methods: data analysis, machine (deep) learning, social network analysis

Excellence in Programming Languages: Python, Java, R, SQL