Dongkeun Lee

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Education

Korea University *Seoul, Republic of Korea*
B.Eng. in Dept. of Cyber Defense (CYDF), Division of Information Security *Mar. 2018 - Feb. 2022*
- Overall GPA: 4.29/4.50

National University of Singapore *Singapore*
Exchange student *Aug. 2019 - Dec. 2019*

Publications

Conference Proceedings

[1] **Dongkeun Lee**, Minwoo Joo, and Wonjun Lee, "Net-track: Generic Web Tracking Detection Using Packet Metadata," to appear in *The ACM Web Conference 2023* **(WWW '23)**, Austin, TX, USA, April-May 2023.

Journal Publications

[1] **Dongkeun Lee**, Minwoo Joo, and Wonjun Lee, "Qrator: An Interest-aware Approach to ABR Streaming Based on User Engagement," *IEEE Systems Journal*, Vol. 16, No. 4, pp. 6581 – 6589, December 2022.

Work and Research Experience

Aug. 2022 - Present **Cyber Officer**, Cyber Operations Command, Republic of Korea Armed Forces
- Second lieutenant (Aug. 2022 - Present)

Aug. 2020 - Mar. 2022 **Research Intern**, Network and Security Research Lab at Korea University, Seoul, Republic of Korea
- Supervisor: Prof. Wonjun Lee
- Topic: Multimedia networking, Network security and privacy

Teaching Experience

Spring 2021 **Computer Networks**, Teaching Assistant, Korea University, Seoul, Republic of Korea

Publications (Domestic)

[1] **Dongkeun Lee**, Minwoo Joo, and Wonjun Lee, "Network-level Tracker Detection Using Features of Encrypted Traffic (암호화된 트래픽의 특성을 활용한 네트워크 단위 트래커 탐지 기법)," *Journal of KIISE*, Vol. 49. No. 4, pp. 314-320, April 2022.

[2] **Dongkeun Lee**, Minwoo Joo, and Wonjun Lee, "Feature Analysis of Encrypted Traffic for Network-level Tracker Detection (네트워크 단위 트래커 탐지를 위한 암호화된 트래픽의 특성 분석)," in *Proceedings of the KIISE Korea Computer Congress 2021 (KIISE KCC2021)*, Jeju, Republic of Korea, June 2021, pp. 1-3. (**Selected as an Outstanding Paper Award**)

[3] **Dongkeun Lee**, Minwoo Joo, and Wonjun Lee, "User Engagement Based Adaptive Streaming Using Timestamps in Video Comments (비디오 댓글의 타임스탬프를 활용한 사용자 참여 기반 적응적 스트리밍 기법 연구)," in *Proceedings of the KIISE Korea Software Congress 2020 (KIISE KSC2020)*, Pyeongchang, Republic of Korea, December 2020, pp. 1-3.

Honors and Awards

Scholarships

Mar. 2018 - Feb. 2022 **The National Scholarship for Science and Engineering**, Korea Student Aid Foundation *$ 10k/year in total*

Awards

June 2021 **Outstanding Paper Award**, KIISE Korea Computer Congress 2021

Languages

English (Fluent, TOEFL: 102/120), **Korean** (Native)