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EDUCATION	
University of Waterloo PhD in Computer Science	Waterloo, Canada since 2019
Korea University Master of Science in Computer Science	Seoul, South Korea Fall 2016
RWTH-Aachen Master of Science in Computer Science	Aachen, Germany 2016-2018
Yonsei University Bachelor of Science in Computer Science	Seoul, South Korea Fall 2014
RWTH-Aachen Bachelor of Science in Computer Science	Aachen, Germany 2012-2016
Research	
Under Submission, 2023 N. Lukas and F. Kerschbaum, 'Mitigating Data Poisoning Attacks on Deep Neural Networks with Latent Space Orthogonalization'	Feb 2023
Under Submission, 2023	-
N. Lukas, A. Salem, R. Sim, S. Tople, L. Wutschitz and S. Zanella-Béguelin, 'Analyzing Leakage of Personally Identifiable Information in Language Models'	Feb 2023
Under Submission, 2023	-
N. Lukas and F. Kerschbaum, 'PTW: Pivotal Tuning Watermarking for Deepfake Detection in Pre-Trained Image Generators'	Feb 2023
The 43rd IEEE Symposium on Security and Privacy, 2022	San Francisco, CA
N. Lukas, E. Jiang, X. Li, and F. Kerschbaum, 'SoK: How Robust is Deep Neural Network Image Classification Watermarking?'	May 2022
9th ACM Workshop on Information Hiding and Multimedia Security, 2021	Online Event
M. Shafieinejad, N. Lukas, J. Wang, X. Li and F. Kerschbaum, 'On the Robustness of Backdoor-based Watermarking in Deep Neural Networks'	Apr 2021
International Conference on Learning Representations (ICLR), 2021	Online Event
N. Lukas, Y. Zhang and F. Kerschbaum, 'Deep Neural Network Fingerprinting by Conferrable Adversarial Examples', Spotlight presentation	Jan 2021
Annual Computer Security Applications Conference (ACSAC), 2020	Online Event
R. Mahdavi, T. Humphries, B. Kacsmar, S. Krastnikov, N. Lukas, et al., 'Practical Over-Threshold Multi-Party Private Set Intersection'	May 2020
IEEE European Symposium on Security and Privacy, 2020	Online Event
B. Kacsmar, B. Khurram, N. Lukas, A. Norton, M. Shafieinejad et al., 'Differentially Private Two-Party Set Operations'	Jan 2020

EXPERIENCE

Microsoft Research Waterloo, Canada Research Intern on Privacy in Language Models May 2022 - August 2022 University of Waterloo Waterloo, Canada Instructional Advisor for 'Object-Oriented Software Development' since Sept 2021 University of Waterloo Waterloo, Canada Teaching Assistant for 'Computer Security and Privacy' Sept 2020 - May 2021 RWTH-Aachen Aachen, Germany Master thesis on 'Secure Inference for Deep Neural Networks' Feb 2018 - Aug 2018 Group on Information Systems & Database RWTH-Aachen Instructional Advisor for 'Data-Driven Medicine' June 2017 - Dec 2018 MathCCES, RWTH-Aachen Aachen, Germany Instructional Advisor for 'Developing Interactive Web Applications' Sept 2016 - Dec 2018 DSA Daten- und Systemtechnik GmbH Aachen, Germany Intern on developing fast data serialization protocols May 2015 - Oct 2015

ADDITIONAL

- Recipient of the 2 year "David R. Cheriton Scholarship" in February 2022 [20,000 CAD]
- Student Board Member of the Cybersecurity and Privacy Institute (CPI)
- Appointed School Advisory Committee on Appointments (SACA) liaison for the CrySP lab
- Outstanding poster award by the Cybersecurity and Privacy Institute (CPI) in October 2019
- "KU Global" scholarship for a semester abroad at Korea University in 2016
- 1st place in a hackathon on robotics hosted by Bosch, Continental and IVU
- "MOGAM" scholarship for a semester abroad at Yonsei University in 2014