Beliz Kaleli

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Work Experience

Palo Alto Networks   October 2024 – Present
Sr. Staff Security Research Engineer   Santa Clara, CA

Palo Alto Networks   May 2023 – October 2024
Staff Security Research Engineer   Santa Clara, CA

AYESAS   September 2017 – June 2018
Software Development Engineer   Ankara, Turkey

Academic Papers

ScanWars: A Multi-network Approach to Detecting and Analyzing The Rise of Scanning Activity   2025
B. Kaleli, T. Li, F. Liu, O. Starov, M. Egele, G. Stringhini
Symposium on Electronic Crime Research (eCrime)

EasyCSPeasy: A Server-side and Language-agnostic XSS Mitigation   2024
B. Kaleli, M. Egele, G. Stringhini
Security and Privacy in Communication Networks (SecureComm) – **Best Paper Award**

To Err.Is Human: Characterizing the Threat of Unintended URLs in Social Media   2021
B. Kaleli, B. Kondracki, M. Egele, G. Stringhini, N. Nikiforakis
Network and Distributed System Security Symposium (NDSS)

Studying the Privacy Issues of the Incorrect Use of the Feature Policy   2020
B. Kaleli, M. Egele, G. Stringhini
Workshop on Measurements, Attacks, and Defenses for the Web (MADWeb)

On the Perils of Leaking Referrers in Online Collaboration Services   2019
B. Kaleli, M. Egele, G. Stringhini
International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment (DIMVA) – **Best Paper Award**

Blogs & Posts

Real-World Example of Malicious Indirect Prompt Injection   Dec 2025
B. Kaleli, S. Farooqi, A. Starov   Link

Crypto-themed Emails with Links to Sites Posing as Cryptocurrency Platforms   Oct 2025
B. Kaleli, O. Starov   Link

Phishing Campaigns Impersonate Major Business Platforms and Abuse OAuth Flows   Oct 2025
B. Kaleli, O. Starov   Link

Blob URLs Used in Phishing Websites   Oct 2025
P. Peng, A. Starov, B. Kaleli, L. Hu, S. Shuang   Link

Ongoing Phishing Campaign Using Browser-In-The-Middle Technique   Sep 2025
B. Kaleli, A. Starov, L. Hu, S. Shuang, N. Mohamed, B. Duncan   Link

Fashionable Phishing Bait: GenAI on the Hook   Aug 2025
Z. You, B. Kaleli, L. Hu, W. Wang   Link

It Was Not Me! Malware-Initiated Vulnerability Scanning Is on the Rise   Apr 2024
B. Kaleli, F. Liu, P. Peng, A. Starov, J. Allen, S. Springer   Link

Patents

Detecting Scanning and Attacking Uniform Resource Locators in Network Traffic   **Published (US-12483573-B2)**
B. Kaleli, F. Liu, A. Starov — *Nov 2025*

Phantom Squatting: Anticipating GenAI-Hallucinated URLs Before Attackers Do   **Filed**
K. Nagaraj, D. Marty, B. Kaleli, A. Starov — *Oct 2025*

Detecting Defensively Registered Domains Using LLMs   **Filed**
N. Mohamed, J. Chen, A. Starov, B. Kaleli — *Oct 2025*

AVA: Authentication Verification Analyzer for Detecting OAuth Flow Abuses   **Filed**
B. Kaleli, D. Marty, L. Hu, A. Starov — *June 2025*

AI Social Engineering Defense: A Grounded AI-based Pipeline for Detecting Social Engineering Attacks   **Filed**
L. Hu, F. Liu, B. Kaleli, A. Starov — *June 2025*

A Deep Learning Approach for Real-time Scanning Attack URLs Detection Using IUPG Framework   **Filed**
T. Li, B. Kutt, B. Kaleli, F. Liu, P. Peng, O. Starov, W. Hewlett — *Feb 2025*

Awards & Honors

Best Student Paper Award   **2024**
International Conference on Security and Privacy in Communication Networks (SecureComm)

Best Student Paper Award Finalist   **2020**
The Center for Information of Systems and Engineering (CISE)

Best Paper Award   **2019**
International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment (DIMVA)

Invited Talks

University of Michigan, Center for Computer Security and Society (SECRIT)   **2021**

Education

Boston University   **2018 – Expected 2024**
Ph.D., Computer Engineering | GPA: 3.8/4.0 — *Boston, MA*

Boston University   **2018 – 2021**
M.S., Computer Engineering | GPA: 3.8/4.0 — *Boston, MA*

Middle East Technical University   **2013 – 2017**
B.S., Electrical and Electronics Engineering — *Ankara, Turkey*