



TOMMASO INNOCENTI

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EDUCATION

Ph.D. Computer Science | *Cybersecurity*

Northeastern University | GPA: 4.0/4.0

Sep. 2018 – (Expected Sep. 2024)

Boston, USA

Master in Computer Science And Engineering

Politecnico di Milano | Grade: 101/110

Sep. 2014 – May 2018

Milano, Italy

Erasmus Experience

Universidad Complutense Madrid (UCM)

Sep. 2015 – Feb. 2016

Madrid, Spain

WORK EXPERIENCE

LEADERS Program

Gordon Institute of Engineering Leadership | Northeastern University

Spring 2020 – (ongoing)

Boston, USA

- Experiential learning initiative that integrates leadership and professional-skills education with a research project

Research Assistant

Northeastern University

Apr. 2018 – Sep. 2018

Boston, USA

- Manage a research topic in a team environment
- Perform cutting edge security research

Master Thesis at SecLab

Less is more (Secure): automated reduction of the attack surface in modern Browser

Nov. 2016 – June 2017

Boston, USA

- Investigated the Browser functionalities as potential attack surface
- Instrumented the Browser functionalities to define the minimal set of required functionality
- Evaluated the model extracted against: reduction of Attack surface and the performance increase

PROJECTS AND RESEARCH

OAuth 2.0 Redirect URI Validation Falls Short, Literally

Tommaso Innocenti, Matteo Golinelli, Ali Mirheidari, Kaan Onarlioglu, Bruno Crispo, Engin Kirda

Fall 2023

Austin, TX

ACSAC'23 | (A.R. 59/246 = 23.9%)

FRAMESHIFTER: Security Implications of HTTP/2-to-HTTP/1 Conversion Anomalies

Bahruz Jabiyev, Steven Sprecher, Anthony Gavazzi, Tommaso Innocenti, Kaan Onarlioglu, Engin Kirda

Sum 2022

Boston, MA

USENIX'22 | (A.R. 392/2535 = 15.4%)

You've Got (a Reset) Mail: A Security Analysis of Email-Based Password Reset Procedures

Tommaso Innocenti, Ali Mirheidari, Amin Kharraz, Bruno Crispo, Engin Kirda

Sum 2021

Virtual

DIMVA'21 | (A.R. 16/66 = 28.7%)

CONFERENCES AND PRESENTATIONS

OAuth Security Workshop (OSW)'23

OAuth 2.0 Redirect URI Validation Falls Short, Literally

August 2023

Royal Holloway University, London

Federal Trade Commission (FTC) invited talk

You've Got (a Reset) Mail: A Security Analysis of Email-Based Password Reset Procedures

October 2021

Virtual

SKILLS

Languages: English C1 (TOEFL score:100/120) , Spanish A1, Italian (mother tongue)

Programming: C, Java, C++, Python, SQL, HTML, NodeJS, Puppeteer, JavaScript, Docker, Git

Document Creation: Microsoft Office Suite, LaTeX