

# Nick Nikiforakis

## Curriculum Vitae

Department of Computer Science  
Stony Brook University  
Stony Brook , NY 11794-2424  
☎ (631) 632 2464  
✉ [nick@cs.stonybrook.edu](mailto:nick@cs.stonybrook.edu)  
🌐 [www.securitee.org](http://www.securitee.org)

### Research Interests

Web Security and Privacy, Software Security, DNS, Intrusion Detection, and Cybercrime

### Employment

- Jan 2020 – Present **Associate Professor**, *Department of Computer Science*, Stony Brook University.
- Aug 2014 – December 2019 **Assistant Professor**, *Department of Computer Science*, Stony Brook University.
- 2013–2014 **Postdoctoral Researcher**, *Department of Computer Science*, KU Leuven, Belgium.
- Jun - Sep 2012 **Research Visitor**, *Department of Computer Science*, University of California, Santa Barbara.

### Education

- 2009–2013 **PhD in Computer Science**,  
*Computer Science Department*, KU Leuven, Belgium.  
thesis *Towards a Secure Web: Critical Vulnerabilities and Client-Side Countermeasures*  
supervisors Prof. Wouter Joosen and Prof. Frank Piessens
- 2007–2009 **MSc in Parallel and Distributed Systems**,  
*Computer Science Department*, University of Crete, Greece.  
thesis *Parasitic Storage: Free and globally accessible gigabytes*  
supervisor Professor Evangelos Markatos
- 2003–2007 **BSc in Computer Science**,  
*Computer Science Department*, University of Crete, Greece.  
thesis *Handling real-time network data generated by network-monitoring applications*  
supervisor Professor Evangelos Markatos

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## Teaching Experience

- Spring 2025 Instructor, CSE 361: Web Security, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Fall 2024 Instructor, WSE 380: Research Rotation in Cybersecurity
- Spring 2024 Instructor, CSE 361: Web Security, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Fall 2023 Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Spring 2023 Instructor, CSE 361: Web Security, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Fall 2022 Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Spring 2022 Instructor, CSE 361: Web Security, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Fall 2021 Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Spring 2021 Instructor, CSE 361: Web Security, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Fall 2020 Instructor, CSE 659: Computer Security Seminar, Stony Brook University  
Instructor, WSE 380: Research Rotation in Cybersecurity
- Spring 2019 Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Fall 2019 Instructor, CSE 331: Computer Security Fundamentals, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Spring 2019 Instructor, CSE 509: System Security, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Fall 2018 Instructor, CSE 331: Computer Security Fundamentals, Stony Brook University  
Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Spring 2018 Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Fall 2017 Instructor, CSE 361: Web Security, Stony Brook University
- Fall 2016 Instructor, CSE 509: System Security, Stony Brook University
- Spring 2016 Instructor, CSE 659: Computer Security Seminar, Stony Brook University
- Fall 2015 Instructor, CSE 509: System Security, Stony Brook University
- Spring 2015 Instructor, CSE 508: Network Security, Stony Brook University

- Fall 2014 Instructor, CSE 509: System Security, Stony Brook University
- Fall 2013 Teaching Assistant, Secure Software for Athens 2013, KU Leuven
- Spring 2013 Teaching Assistant, Capita Selecta Secure Software, KU Leuven
- Fall 2011 Teaching Assistant, Capita Selecta Secure Software, KU Leuven
- Fall 2010 Teaching Assistant, Capita Selecta Secure Software, KU Leuven
- Fall 2008 Teaching Assistant, CS557 - Secure Systems, University of Crete
- Spring 2008 Teaching Assistant, CS455 - Lab for Network Attacks and Defenses, University of Crete.
- Fall 2007 Teaching Assistant, CS345 - Operating Systems, University of Crete

## Work Experience

- 2014 – present As an ~~Assistant~~ Associate Professor at Stony Brook University, I teach security-related courses, advise PhD and MSc students, write and review academic and industry grants, write and review papers for the top conferences and journals of my field, and participate in administrative activities, such as the reviewing of PhD and MSc admissions.
- 2013 – 2014 As a Postdoctoral Researcher at KU Leuven, I continued the empirical exploratory security and privacy research, while coaching young graduate students.
- 2009 – 2013 During my PhD at KU Leuven, I had the opportunity to successfully coach the theses of four Master students, teach the “Hands-on Hacking” module of the Capita Selecta Secure Software course, and do research on many areas, relevant to security, such as software security, web security, and privacy.
- Jun – Sep 2012 I visited Prof. Christopher Kruegel and Prof. Giovanni Vigna for 3 months at the University of California, Santa Barbara and worked in the Computer Security Lab on web-based device fingerprinting.
- 2006 – 2009 I worked as a Research Assistant at the Distributed Computing Systems Lab of FORTH-ICS in Heraklion. I participated in three EU-funded programs: LOBSTER (Large-scale Monitoring of Broadband Internet Infrastructures), MOMENT (Monitoring and Measurement in the Next Generation Technologies), and NoAH (Network of Affined Honeypots).

## Research Funding

- *Parallax: Tools and Techniques for Protecting Web Applications using Cyber Deception* (2024.01 – 2026.12)
  - PI: Nick Nikiforakis, co-PI: R. Sekar
  - Sponsor: US Army Research Office

- Total Amount: \$449,306.00
- *Tools and Techniques for Characterizing Integrity in DevOps Technologies*  
(2024.02 – 2027.01)
  - PI: Nick Nikiforakis, co-PI: Adam Doupé
  - Sponsor: Office of Naval Research
  - Total Amount: \$1,094,617
- *Collaborative Research: SaTC: CORE: Medium: App-driven Web Browsing: Novel Risks, Vulnerabilities, and Defenses*  
(2022.10 – 2026.09)
  - PI: Jason Polakis, co-PIs: Nick Nikiforakis, Manuel Egele
  - Sponsor: National Science Foundation
  - Total Amount: \$1,199,076.00, SBU Share: \$349,079
- *Collaborative Research: SaTC: CORE: Medium: Defending Against Social Engineering Attacks with In-Browser AI*  
(2021.10 – 2025.09)
  - PI: Roberto Perdisci, co-PIs: Nick Nikiforakis, Phani Vadrevu
  - Sponsor: National Science Foundation
  - Total Amount: \$1,198,958.00, SBU Share: \$399,767
- *Tools and Techniques to Improve the Granularity and Usability of Web Application Debloating*  
(2021.03 – 2023.02)
  - PI: Adam Doupé, co-PIs: Manuel Egele, Alexandros Kapravelos, Nick Nikiforakis
  - Sponsor: Office of Naval Research
  - Total Amount: \$1,599,983, SBU Share: \$389,312
- *Young Investigator Award: WebForecast: Analysis and Prediction of Web Application Updates*  
(2020.07 – 2023.06)
  - PI: Nick Nikiforakis
  - Sponsor: Office of Naval Research
  - Amount: \$512,560.00
- *CAREER: Tools and Techniques for Preserving Integrity on the Web*  
(2020.10 – 2025.09)
  - PI: Nick Nikiforakis
  - Sponsor: National Science Foundation
  - Amount: \$551,090
- *BreakHound: Automated and Scalable Detection of Website Breakage* (2020.01 – 2021.01)
  - PI: Nick Nikiforakis
  - Sponsor: Mozilla
  - Amount: \$40,000
- *ICBots: Tools and Techniques for Detecting Web Bots* (2019.03 – 2020.02)
  - PI: Nick Nikiforakis

- Sponsor: Amazon
- Amount: \$64,000
- *SaTC: CORE: Small: Understanding, Measuring, and Defending against Malicious Web Crawlers* (2018.09 – 2023.08)
  - PI: Nick Nikiforakis
  - Sponsor: National Science Foundation
  - Amount: \$499,567
- *EAGER: ISN: Detecting and Disrupting Illicit Supply Networks via Traffic Distribution Systems* (2018.09 – 2022.08)
  - PI: Nick Nikiforakis co-PIs: Nicolas Christin, Jonathan Caulkins
  - Sponsor: National Science Foundation
  - Total Amount: \$359,908, Stony Brook Share: \$185,033
- *XS-Shredder: A Cross-Layer Framework for Removing Code Bloat in Web Applications* (2017.07 – 2020.06)
  - PI: Adam Doupé, co-PIs: Manuel Egele, Alexandros Kapravelos, Nick Nikiforakis
  - Sponsor: Office of Naval Research
  - Total Amount: \$1,230,547, SBU Share: \$289,691
- *EAGER: Measuring the Stability of Web Links* (2017.04 – 2017.09)
  - PI: Nick Nikiforakis, co-PI: Michael Ferdman
  - Sponsor: National Science Foundation
  - Amount: \$89,200
- *PrivacyMeter: Real-time Privacy Quantification for the web* (2016.09 – 2017.08)
  - PI: Nick Nikiforakis
  - Sponsor: Data Transparency Lab
  - Amount: \$50,000
- *TWC: Small: Combating Environment-aware Malware* (2016.09 – 2020.08)
  - PI: Michail Polychronakis, co-PI: Nick Nikiforakis
  - Sponsor: National Science Foundation
  - Amount: \$498,036
- *TWC: Small: Emerging Attacks Against the Mobile Web and Novel Proxy Technologies for Their Containment* (2016.09 – 2020.08)
  - PI: Nick Nikiforakis, co-PI: Nima Honarmand
  - Sponsor: National Science Foundation
  - Amount: \$499,481
- *Early Detection of User-impersonating Attackers using Multilayer Tripwires* (2016.03 – 2020.02)
  - PI: Nick Nikiforakis, co-PI: Erez Zadok
  - Sponsor: Office of Naval Research
  - Amount: \$586,215

- *TWC: Small: Cross-application and Cross-platform Tracking of Web Users: Techniques and Countermeasures* (2015.09 – 2019.08)
  - PI: Nick Nikiforakis, co-PI: Long Lu
  - Sponsor: National Science Foundation
  - Amount: \$499,204
- *Understanding and defending against technical support scams* (2015.07 – 2015.12)
  - PI: Nick Nikiforakis
  - Sponsor: Cyber Research Institute
  - Amount: \$67,000
- *Grant for teaching network security* (2015.02)
  - PI: Nick Nikiforakis
  - Sponsor: Amazon Web Services
  - Amount: \$8,600 (cloud credits)
- *Grant for conducting cloud experiments* (2014.02)
  - PI: Nick Nikiforakis
  - Sponsor: Linode
  - Amount: \$2,000 (cloud credits)

## ■ Awards

- Undergraduate Teaching Award, Department of Computer Science, SBU, 2024
- Teachers Rated Excellent by their Students (TREES) award, SBU, 2024
- Bronze Medal at eCrime 2024
- Second place, CSAW 2024 competition, social impact award
- Distinguished Paper Award at USENIX Security 2024
- Best Paper Award at SecWeb 2024
- Distinguished Paper Award at NDSS 2024
- National Security Agency (NSA), Best Scientific Cybersecurity paper, 2023
- Teachers Rated Excellent by their Students (TREES) award, SBU, 2023
- Chancellor's Award for Excellence in Scholarship and Creative Activities, SUNY 2022–2023
- Third place, Applied Research Competition, CSAW 2021
- Most Creative Video Award, IEEE S&P 2021
- IEEE Senior Member, 2021
- Best Video Presentation, DIMVA, 2020
- ONR Young Investigator Award, 2020
- NSF CAREER Award, 2020
- Distinguished Paper Award at NDSS 2017
- Graduate Teaching Award, Department of Computer Science, SBU, 2016
- Honorable Mention at PETS 2016
- Best Paper Award at ISC 2014

## Students and Postdoctoral Researchers

### Postdoctoral Researchers

- Pierre Laperdrix, 2018–2019

### PhD Students

- Christos Tsoukaladelis, 2021–present
- Vasileios Tsouvalas, 2022–present
- Muhammad Muzammil, 2022 – present
- Ruining Yang, 2023 – present
- Narong Chaiwut, 2024 – present
- Oleksii Starov, 2014–2018
- Najmeh Miramirkhani, 2015–2019
- Timothy Barron, 2015–2020
- Meng Luo, 2015–2020
- Babak Amin Azad, 2017–2022
- Brian Kondracki, 2019–2023
- Xigao Li, 2019–2023
- Johnny So, 2020–2025

## Public Service

### Program Chair

- Program co-chair, Annual Computer Security Applications Conference (ACSAC), 2025
- Program co-chair, Information Security Conference (ISC), 2024
- Track co-chair (Web Security), Web Conference (WWW) 2024
- Track chair (Web Security), ACM Conference on Computer and Communications Security (CCS), 2023
- Program co-chair, Workshop on Active Defense and Deception (AD&D), 2023
- Program co-chair, Workshop on Active Defense and Deception (AD&D), 2022
- Program co-chair, Web Conference (WWW) 2020 – Security, Privacy, and Trust Track
- Program co-chair, Workshop on Measurements, Attacks, and Defenses for the Web (MADWeb), 2020
- Program co-chair, Workshop on Measurements, Attacks, and Defenses for the Web (MADWeb), 2019
- Program co-chair, Symposium on Electronic Crime Research (eCrime), 2018
- Program co-chair, Symposium on Electronic Crime Research (eCrime), 2017
- Program chair, OWASP AppSec Europe – Research Track, 2015

### Steering Committee

- Workshop on Measurements, Attacks, and Defenses for the Web (MADWeb), 2021 – present
- Workshop on Active Defense and Deception (AD&D), 2023 – present

### Associate Editor

- ACM Transactions of the Web, 2021 – present

### Conference Support

- General co-chair, International Conference on Applied Cryptography and Network Security (ACNS), 2026
- Sponsorship chair, ACM Conference on Computer and Communications Security (CCS), 2019
- Publicity chair, International Symposium on Research in Attacks, Intrusions and Defenses (RAID), 2017
- Poster chair, USENIX Security Symposium (USENIX Security), 2017

### Member of Program Committees

- USENIX Security Symposium (USENIX Security 2025)
- Network and Distributed System Security Symposium (NDSS 2025)
- ACM Conference on Computer and Communications Security (CCS 2025)
- 22nd Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2025)
- ACM Conference on Computer and Communications Security (CCS 2024)
- Network and Distributed System Security Symposium (NDSS 2024)
- Annual Computer Security Applications Conference (ACSAC 2024)
- 21st Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2024)
- 45th IEEE Symposium on Security and Privacy (IEEE S&P 2024)
- Annual Computer Security Applications Conference (ACSAC 2023)
- 20th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2023)
- International World Wide Web Conference (WWW): 2023
- 8th IEEE European Symposium on Security and Privacy (EuroS&P 2023)
- 44th IEEE Symposium on Security and Privacy (IEEE S&P 2023)
- Security for the Web Workshop (SecWeb 2023)
- Annual Computer Security Applications Conference (ACSAC 2022)
- International World Wide Web Conference (WWW): 2022
- 19th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2022)
- Security for the Web Workshop (SecWeb 2022)
- 29th ACM Conference on Computer and Communications Security (CCS 2022)
- 31st USENIX Security Symposium (USENIX Security 2022)
- 7th IEEE European Symposium on Security and Privacy (EuroS&P 2022)
- 28th ACM Conference on Computer and Communications Security (CCS 2021)
- Security for the Web Workshop (SecWeb 2021)
- 3rd Workshop on Attackers and Cyber-Crime Operations (WACCO 2021)
- 42nd IEEE Symposium on Security and Privacy (IEEE S&P 2021)
- 30th USENIX Security Symposium (USENIX Security 2021)

- 6th IEEE European Symposium on Security and Privacy (EuroS&P 2021)
- 26th European Symposium on Research in Computer Security (ESORICS 2021)
- 27th ACM Conference on Computer and Communications Security (CCS 2020)
- 5th IEEE European Symposium on Security and Privacy (EuroS&P 2020)
- 41st IEEE Symposium on Security and Privacy (IEEE S&P 2020)
- 27th Network and Distributed System Security Symposium (NDSS 2020)
- 17th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2020)
- 22nd International Symposium on Research in Attacks, Intrusions and Defenses (RAID 2019)
- 22nd Information Security Conference (ISC 2019)
- 16th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2019)
- 26th Network and Distributed System Security Symposium (NDSS 2019)
- 40th IEEE Symposium on Security and Privacy (IEEE S&P 2019)
- Workshop on Technology and Consumer Protection (ConPro 2019)
- 27th USENIX Security Symposium (USENIX Security 2018)
- 10th International Symposium on Engineering Secure Software and Systems (ESSoS 2018)
- 15th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2018)
- 12th ACM Asia Conference on Information, Computer and Communications Security (AsiaCCS 2018)
- 25th Network and Distributed System Security Symposium (NDSS 2018)
- 26th International World Wide Web Conference (WWW 2018)
- 8th ACM Cloud Computing Security Workshop (CCSW 2017)
- 33rd Annual Computer Security Applications Conference (ACSAC 2017)
- 24th ACM Conference on Computer and Communications Security (CCS 2017)
- 2nd European Workshop on Usable Security (EuroUSEC 2017)
- 26th USENIX Security Symposium (USENIX Security 2017)
- 14th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2017)
- 7th ACM Conference on Data and Application Security and Privacy (CODASPY 2017)
- 25th International World Wide Web Conference (WWW 2017)
- 2nd IEEE European Symposium on Security and Privacy (EuroS&P 2017)
- 16th ACM Symposium on Applied Computing (SAC 2017)
- 32nd Annual Computer Security Applications Conference (ACSAC 2016)
- 23rd ACM Conference on Computer and Communications Security (CCS 2016)
- 25th USENIX Security Symposium (USENIX Security 2016)
- 11th Symposium on Electronic Crime Research (eCrime 2016)
- 13th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2016)
- 6th ACM Conference on Data and Application Security and Privacy (CODASPY 2016)
- 8th International Symposium on Engineering Secure Software and Systems (ESSoS 2016)
- 22nd ACM Conference on Computer and Communications Security (CCS 2015)
- 24th USENIX Security Symposium (USENIX Security 2015)

- 8th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec 2015)
- 12th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2015)
- 24th International World Wide Web Conference (WWW 2015)
- 8th European Workshop on System Security (EuroSec 2015)
- 7th International Symposium on Engineering Secure Software and Systems (ESSoS 2015)
- 7th European Workshop on System Security (EuroSec 2014)
- 5th International Conference on Emerging Ubiquitous Systems and Pervasive Member of Networks (EUSPN 2014)
- 12th IEEE International Conference on Embedded and Ubiquitous Computing (EUC 2014)
- 7th IEEE Workshop on Network Measurements (IEEE WNM 2013)
- 4th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2013)
- OWASP AppSec Europe 2013 - Research Track (AppSec 2013)
- 6th European Workshop on System Security (EuroSec 2013)
- 14th IFIP Conference on Communications and Multimedia Security (CMS 2013)
- 5th European Workshop on System Security (EuroSec 2012)
- 13th IFIP Conference on Communications and Multimedia Security (CMS 2012)

## Invited Talks

- February 2025 Keynote at MADWeb 2025 – Building on Top of Shifting Sands: Web Security Through the Lens of Content Integrity
- November 2024 Boston University, ECE Colloquium – Building on Top of Shifting Sands: Web Security Through the Lens of Content Integrity
- November 2024 Northeastern University – Building on Top of Shifting Sands: Web Security Through the Lens of Content Integrity
- April 2024 Symposium on the Science of Security (HotSoS) – Bots, Crawlers, and Spiders: Understanding How Automated Web Clients Find and Attack their Victims
- March 2024 Award Ceremony at the National Security Agency – Uninvited Guests: Analyzing the Identity and Behavior of Certificate Transparency Bots
- November 2023 FTC — Scams Against Older Adults Technology Committee Meeting – Bridgespotting: How Web3 Attackers Target Web2 Cryptocurrency Users
- September 2023 Criminal Investigations and Network Analysis — Distinguished Speaker Series – Bridgespotting: How Web3 Attackers Target Web2 Cryptocurrency Users
- August 2022 SANS Blockchain Security Summit — Too Good to Be True: Exploring the Ecosystem of Cryptocurrency Giveaway Scams
- June 2022 OWASP AppSecEU — Catching Transparent Phish: Understanding and Detecting MITM Phishing Kits
- June 2022 Internet2 — Mitigating MITM Phishing Toolkit Attacks that Bypass MFA

- June 2022 CISPA, Distinguished Lecture Series — Small and different: Security and Privacy Risks of Mobile Browsers
- Mar 2022 Ohio State University, Cybersecurity Lecture Series — Small and different: Security and Privacy Risks of Mobile Browsers
- Feb 2022 UK-SPS, Cyber Security and Privacy Lecture Series — Small and different: Security and Privacy Risks of Mobile Browsers
- Nov 2021 John Jay College of Criminal Justice, Computer Science Colloquium — Small and different: Security and Privacy Risks of Mobile Browsers
- Sep 2021 OWASP 20th Anniversary Conference – Good Bot, Bad Bot: Characterizing Automated Browsing Activity
- Sep 2021 OWASP 20th Anniversary Conference – Everything You Always Wanted to Know About Fingerprinting Browser Extensions, But Were Afraid to Ask
- Sep 2021 APNIC 52 – Good Bot, Bad Bot: Characterizing Automated Browsing Activity
- May 2021 Amazon Web Services – Good Bot, Bad Bot: Characterizing Automated Browsing Activity
- Feb 2021 Brave Faculty Summit – Fingerprinting users through their browser extensions
- May 2018 ConPro 2018 – Everyone Loves Domain Names (Including Cyber Criminals)
- May 2018 FTC workshop, Stepping up to Stop Indian Call Center Fraud – Keynote: Why Hack When You Can Scam?
- May 2018 Dropbox – Security and Privacy Issues of Modern Web Browsers
- Sep 2017 Georgia Tech, Cybersecurity Lecture Series – Security and Privacy Issues of Modern Web Browsers
- May 2017 Palo Alto Networks – Discovering Scammers and Distinguishing Sandboxes
- Mar 2017 CyLab Distinguished Seminar – Dial One for Scam - A Large-Scale Analysis of Technical Support Scams
- Jan 2017 Federal Trade Commission, Washington DC – Dial One for Scam - A Large-Scale Analysis of Technical Support Scams
- Feb 2016 Messaging, Malware and Mobile Anti-Abuse Working Group – No Honor Among Thieves: A Large-Scale Analysis of Malicious Web Shells
- May 2015 International World Wide Web Conference, W3C Track: Web Security Architecture – The Pretense of Security
- Oct 2014 Princeton Web Privacy and Transparency Conference – Web-based Device Fingerprinting
- Feb 2014 SecAppDev – Browser fingerprinting (how did we get here?), Leuven, Belgium
- Dec 2013 Microsoft Research – Everything you always wanted to know about web-based device fingerprinting (but were afraid to ask), Redmond, Washington, US

- Nov 2013 November OWASP BeNeLux – Everything you always wanted to know about web-based device 2013 fingerprinting (but were afraid to ask), Amsterdam, The Netherlands
- Jul 2013 SysSec Workshop – Cookieless Monster: Exploring the Ecosystem of Web-based Device Fingerprinting, Bochum, Germany
- Feb 2013 SecAppDev – Sandboxing JavaScript, Leuven, Belgium
- Oct 2012 Web Application Security Seminar Dagstuhl – You are what you include: Large-scale analysis of remote JavaScript inclusions, Bochum, Germany
- Jul 2011 OWASP Netherlands Chapter – Abusing locality in Shared Web Hosting, Amsterdam, The Netherlands
- Dec 2010 OWASP BeNeLux – On the Privacy of File Sharing Services, Eindhoven, The Netherlands

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## Selected Media Coverage

- Nov 2024 Fast Company – Scammers are making thousands of dollars through blockchain typosquatting – <https://www.fastcompany.com/91228285/scammers-are-making-thousands-through-blockchain-typosquatting>
- Nov 2024 SBU News – SBU Researchers Uncover New Cybersecurity Risks in Blockchain, Win eCrime Medal – <https://news.stonybrook.edu/university/sbu-researchers-uncover-new-cybersecurity-risks-in-blockchain-win-ecrime-medal/>
- Dec 2021 Gizmodo – Hackers Are Getting Better and Better at Defeating Your 2FA Security – <https://gizmodo.com/hackers-are-getting-better-and-better-at-defeating-your-1848278177>
- Dec 2021 The Record – More than 1,200 phishing toolkits capable of intercepting 2FA detected in the wild – <https://therecord.media/more-than-1200-phishing-toolkits-capable-of-intercepting-2fa-detected-in-the-wild/>
- Nov 2021 The Hacker News – Researchers Demonstrate New Way to Detect MitM Phishing Kits in the Wild – <https://thehackernews.com/2021/11/researchers-demonstrate-new-way-to.html>
- Oct 2021 The Washington Post – Read that link carefully: Scammers scoop up misspelled cryptocurrency URLs to rob your wallet – <https://www.washingtonpost.com/technology/2021/10/08/cryptocurrency-scam-websites/>
- Nov 2018 The New York Times – That Virus Alert on Your Computer? Scammers in India May Be Behind It – <https://www.nytimes.com/2018/11/28/technology/scams-india-call-center-raids.html>
- Oct 2017 ZDNet – Are you sure about that link? Crooks are using this trick to fool you into visiting bad websites – <http://zd.net/2AcniKq>

- Mar 2017 WIRED – Listen to “Tech Support” Scam Calls That Bilk Victims Out of Millions – <https://www.wired.com/2017/03/listen-tech-support-scam-calls-bilk-millions-victims/>
- Jun 2016 Washington Times – Half the ads on livestreaming sites pose security risks to viewers: Report – <http://www.washingtontimes.com/news/2016/jun/15/half-ads-livestreaming-sites-pose-security-risks-v/>
- Feb 2016 BBC – Illegal football streams are ‘dangerous’, study says – <http://www.bbc.com/news/technology-35434765>
- Dec 2015 TechRepublic – DDoS mitigation may leave your site vulnerable – <http://www.techrepublic.com/article/ddos-mitigation-may-leave-your-site-even-more-vulnerable/>
- Oct 2015 The Register – DDoS defences spiked by CloudPiercer tool - paper – [http://www.theregister.co.uk/2015/10/08/cloudpiercer\\_tool\\_lifts\\_ddos\\_protection\\_cloak\\_from\\_70\\_percent\\_of\\_sites/](http://www.theregister.co.uk/2015/10/08/cloudpiercer_tool_lifts_ddos_protection_cloak_from_70_percent_of_sites/)
- Oct 2015 SC Magazine – CloudPiercer tool discloses DDoS defence providers – <http://www.scmagazineuk.com/cloudpiercer-tool-discloses-ddos-defence-providers/article/444000/>
- Sep 2015 KrebsOnSecurity – With Stolen Cards, Fraudsters Shop to Drop – <http://krebsonsecurity.com/2015/09/with-stolen-cards-fraudsters-shop-to-drop/>
- Sep 2015 SlashDot – Study: \$1.8 Billion In Reshipping Fraud With Stolen Cards Each Year – <http://news.slashdot.org/story/15/09/28/2157238/study-18-billion-in-reshipping-fraud-with-stolen-cards-each-year>
- Feb 2015 World Trademark Review – Groundbreaking typosquatting research reveals true scale of the problem – <http://www.worldtrademarkreview.com/Blog/Detail.aspx?g=59f40171-11fb-4806-a837-2c0b29564681>
- Jan 2015 HelpNet Security – Typosquatting abuse of 500 most popular websites analyzed – <http://www.net-security.org/secworld.php?id=17833>
- Dec 2014 ArsTechnica – Sites certified as secure often more vulnerable to hacking, scientists find – <http://www.arstechnica.com/security/2014/12/sites-certified-as-secure-often-morevulnerable-to-hacking-scientists-find/>

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## Magazine Articles

- Jun 2024 USENIX Login – Understanding and Improving Web Application Fingerprinting with WASABO
- Jan 2015 IEEE IT Pro – Protected Web Components: Hiding Sensitive Information in the Shadows
- Aug 2014 IEEE Spectrum – Browse at your own risk

- Dec 2013 IEEE Security & Privacy – On the Workings and Current Practices of Web-based Device Fingerprinting
- Mar 2011 Hackin9 – Direct Object Reference or, How a Toddler Can Hack Your Web Application

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## Publications

- [1] Johnny So, Iskander Sanchez-Rola, and Nick Nikiforakis. Lost in the Mists of Time: Expirations in DNS Footprints of Mobile Apps. In *Proceedings of the USENIX Security Symposium*, 2025.
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- [3] Brian Kondracki, Michael Ferdman, and Nick Nikiforakis. Ready or Not, Here I Come: Characterizing the Security of Prematurely-public Web Applications. In *Proceedings of the Annual Computer Security Applications Conference (ACSAC)*, 2024.
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