Chris Tsoukaladelis

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Summary

Security Researcher / Engineer with 8+ years experience in web, systems, and network security. PhD candidate at Stony Brook (PragSec lab) with publications at IEEE S&P, USENIX Security, CCS, and RAID. Industry experience building and securing large-scale networked systems (ByteDance). Interests include supply-chain security, web exploitation, container security, and adversarial analysis of real-world systems.

Education

Stony Brook University   08/2021 - Present
PhD Candidate, Computer Science

Stony Brook University   08/2021 - 08/2023
MSc, Computer Science

University of Patras   09/2014 - 08/2020
Diploma (BSc+MSc equivalent) in electrical and computer engineering

Experience

Stony Brook University - Research Assistant, PragSec Lab   08/2021 - Present
- Conducted applied security research on web platforms and software supply chains, uncovering evasion and manipulation attacks against web archives and online information systems.
- Designed attack/defense prototypes and large-scale measurement pipelines for dependency risk analysis and automated web application debloating.

ByteDance Ltd. - SWE Research Intern, Networks/SDN   05/2025 - 08/2025
- Designed and implemented SDN-based control systems for production-scale network emulation infrastructure used for testing and incident response.
- Automated scheduling and resource management to improve availability, fault isolation, and response time in adversarial network scenarios.

University of Patras - Research Assistant, Computer Systems Lab   01/2017 - 08/2020
- Developed end-to-end malware analysis frameworks for automated evaluation of software binaries.
- Applied reverse engineering and exploitation techniques; participated in international Capture-the-Flag competitions.

Datawise Data Engineering LLC - DevOps & Security Consultant   01/2018 - 08/2020
- Performed threat modeling and secure architecture design for production systems, including POS platforms, video conferencing software, and sensitive cultural heritage databases.
- Delivered infrastructure hardening and secure deployment solutions for SMB and enterprise clients.

Selected Publications

- **The Power to Never Be Wrong: Evasions and Anachronistic Attacks Against Web Archives (CCS 2025)**
- **Uncontained Danger: Quantifying Remote Dependencies in Containerized Applications (RAID 2025)**
- **The Times, They Are A-Changin': Characterizing Post-Publication Changes to Online News (IEEE S&P 2024)**
- **AnimateDead: Debloating Web Applications Using Concolic Execution (USENIX)**

Awards

- **CSAW Applied Research Competition - 2nd Place (2024), Finalist (2025)**
- **SecWeb 2024 - Best Paper Award**