

# Chris Tsoukaladelis

<https://tsoukaladelis.xyz>

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## Summary

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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

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<b>Stony Brook University</b> <i>PhD Candidate, Computer Science</i>	08/2021 - Present
<b>Stony Brook University</b> <i>MSc, Computer Science</i>	08/2021 - 08/2023
<b>University of Patras</b> <i>Diploma (BSc+MSc equivalent) in electrical and computer engineering</i>	09/2014 - 08/2020

## Experience

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<b>Stony Brook University - Research Assistant, PragSec Lab</b> <ul style="list-style-type: none"><li>Conducted applied security research on web platforms and software supply chains, uncovering evasion and manipulation attacks against web archives and online information systems.</li><li>Designed attack/defense prototypes and large-scale measurement pipelines for dependency risk analysis and automated web application debloating.</li></ul>	08/2021 - Present
<b>ByteDance Ltd. - SWE Research Intern, Networks/SDN</b> <ul style="list-style-type: none"><li>Designed and implemented SDN-based control systems for production-scale network emulation infrastructure used for testing and incident response.</li><li>Automated scheduling and resource management to improve availability, fault isolation, and response time in adversarial network scenarios.</li></ul>	05/2025 - 08/2025
<b>University of Patras - Research Assistant, Computer Systems Lab</b> <ul style="list-style-type: none"><li>Developed end-to-end malware analysis frameworks for automated evaluation of software binaries.</li><li>Applied reverse engineering and exploitation techniques; participated in international Capture-the-Flag competitions.</li></ul>	01/2017 - 08/2020
<b>Datwise Data Engineering LLC - DevOps &amp; Security Consultant</b> <ul style="list-style-type: none"><li>Performed threat modeling and secure architecture design for production systems, including POS platforms, video conferencing software, and sensitive cultural heritage databases.</li><li>Delivered infrastructure hardening and secure deployment solutions for SMB and enterprise clients.</li></ul>	01/2018 - 08/2020

## Selected Publications

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- **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 2023)**

## Awards

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