

Chris Tsoukaladelis

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About Me

I'm currently a PhD candidate at Stony Brook University, where I work with Prof. Nick Nikiforakis in the PragSec lab. My main areas of interest is web integrity and transparency, and orthogonally I do research on system isolation-based security and web application debloating. I am passionate about privacy, anonymity and freedom on the web.

Publications

- **The Times, They Are A-Changin': Characterizing Post-Publication Changes to Online News**
(To appear) IEEE Symposium on Security and Privacy 2024 (IEEE S&P '24)
- **Manufactured Narratives: On the Potential of Manipulating Social Media to Politicize World Events**
(To appear) IEEE Symposium on Security and Privacy Workshops 2024 (IEEE S&PW '24)
- **AnimateDead: Debloating Web Applications Using Concolic Execution**
Usenix Security 2023 (USENIX '23)

Education

Stony Brook University <i>PhD Candidate</i>	2021 - Present
University of Patras <i>Engineer's Degree</i> (BS+MS equivalent) in electrical and computer engineering	2014 - 2020

Experience

Stony Brook University <i>Research Assistant</i> <ul style="list-style-type: none">○ PragSec lab: My main focus is on web content integrity and transparency. Orthogonally, I have worked on web application debloating and other areas of web security.	2021 - Present
Virginia Commonwealth University <i>Research Assistant</i> <ul style="list-style-type: none">○ MHRG lab: I developed techniques for both intrusion detection, as well as penetration of SCADA systems.	2020 - 2021
University of Patras <i>Research Assistant</i> <ul style="list-style-type: none">○ Computer Systems lab: I worked on developing and maintaining a malware detection and classification platform. I also participated in various online capture the flag (CtF) competitions.	2017 - 2020
Datawise Data Engineering LLC <i>DevOps, Security Consultant</i> <ul style="list-style-type: none">○ Security Consultant: I was a consultant for various security decisions made in the handling of sensitive data, ranging from credit card information to ancient artifacts from the Acropolis museum.	2018 - 2020

Skills

- Programming - Python, C/C++, Go, PHP, Javascript, Bash, x86 ASM
- System administration - Linux, openBSD
- Web application debloating, sandboxing
- Browser automation
- Bot automation & analysis of anti-bot mechanisms
- Data Analysis - R, Machine Learning