

Chris Tsoukaladelis

<https://tsoukaladelis.xyz>

tsoukchris@gmail.com

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, also do research on system isolation-based security and web application debloating.

Publications

- **The Times, They Are A-Changin': Characterizing Post-Publication Changes to Online News**
To appear in IEEE Symposium on Security and Privacy 2024
- **AnimateDead: Debloating Web Applications Using Concolic Execution**
Usenix Security 2023

Education

Stony Brook University <i>PhD Candidate</i>	2021 - Present
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Virginia Commonwealth University <i>Research Assistant</i>	2020
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University of Patras <i>Ptychion</i> (BS+MS equivalent) in electrical and computer engineering	2014 - 2020
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Experience

Stony Brook University <i>Research Assistant</i>	2021 - Present
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- **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.

Stony Brook University <i>Teaching Assistant</i>	2022 - 2023
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- **Courses:** I have taught various rotations of a research course for undergraduate women in STEM, on the subject of Honeypots

and Intrusion Detection.

Virginia Commonwealth University

2020

Research Assistant

- **MHRG lab:** I developed techniques for both intrusion detection, as well as penetration of SCADA systems.

Virginia Commonwealth University

2020

Teaching Assistant

- **Courses:** I was a teaching assistant for Artificial Intelligence, Where I graded homeworks and gave guest lectures.

University of Patras

2017 - 2020

Research Assistant

- **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.

Datawise Data Engineering LLC

2018 - 2020

DevOps, Security Consultant

- **Datawise Snapserve:** I performed DevOps services for a POS system, producing secure android applications as well as assisting with data security.
- **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.

Skills

- Programming - C, x86 ASM, PHP, Javascript, Bash, Python
- System administration - Linux, openBSD
- Database administration - MySQL, PostgreSQL
- Malware analysis (static/dynamic)
- Web application debloating, sandboxing
- Browser automation
- Bot automation & analysis of anti-bot mechanisms