

# Billy Tsouvalas

Research Assistant & PhD Student at SUNY Stony Brook

Electrical & Computer Engineer BSc, MSc

IBM Certified Cybersecurity Analyst

[Website](#), [LinkedIn](#), [Google Scholar](#)

Stony Brook, NY

+1 (804)-980-1233

[vtsouvalas@cs.stonybrook.edu](mailto:vtsouvalas@cs.stonybrook.edu)

## Education

Stony Brook University (SBU) - **Computer Science PhD** 2022-Present

Virginia Commonwealth University (VCU) - Graduate Studies 2021-2022

University of Patras, Greece - **BSc, MSc Electrical & Computer** 2014-2020

**Engineer**

- Thesis: **Malware Detection and Classification**

## Research

SBU PragSec Lab 2021-Present

- Web Security & **Deception-based Defenses**

- **Moving Target Defense**

VCU Modern Heuristics Research Group 2021-Present

- Critical Infrastructure **Intrusion Detection**

- **Adversarial Attacks**

University of Patras Malware Analysis Team 2018-2020

- **Dynamic Malware Analysis**

- **Reverse Engineering, Deobfuscation**

## Certifications & Specializations

**IBM Cybersecurity Analyst Professional Certificate**

**Google Cybersecurity Professional Certificate**

**Google IT Automation with Python Professional Certificate**

**Homeland Security and Cybersecurity (UCCS)**

**Cyber Incident Response (INFOSEC)**

## Work Experience

Cybersecurity Research 2018-Present

Web Security, Malware Analysis, IDS/IPS, Critical Infrastructure Security

Professional Website Dev and Digital Marketing 2018-2020

## Professional Skills

MITRE, OWASP, Cyber Kill Chain, NSA Ghidra, Burp Suite, Metasploit, Wireshark, Zeek, Volatility

## Languages

English, French, Greek, German

*Updated: 02/03/2023*