Billy Tsouvalas

Research Assistant & PhD Student at SBU
Electrical Engineer BSc, MSc
IBM Certified Cybersecurity Analyst
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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 Engineer	2014-2020

- 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

Homeland Security and Cybersecurity (UCCS)

Cyber Incident Response (INFOSEC)

Google IT Automation with Python Professional Certificate

Work Experience

Cybersecurity Research	2018-Present
Malware Analysis, IDS/IPS, Energy Infrastructure Security (Solar, Wind)	
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