

# Iason Somarakis

Greece



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## Summary

Iason Somarakis works as a senior security engineer, focusing on research, development and application of security solutions. With hands-on experience in penetration testing methodologies and tools, virtualization and containerization frameworks and machine learning algorithms for enhanced proactive and reactive security mechanisms. Furthermore, he has an up to date view of the technological landscape and a diverse toolkit of programming languages, networking, and infrastructure as a code frameworks.

Iason's research interests focus on two types of security assessments, cyber range training and penetration testing; specifically, asset and threat emulation technologies for cyber range training and offensive technologies for penetration testing.

Last but not least, his personal interests include capture the flag activities, privacy related topics, cryptocurrencies, and reading novels.

## Experience



### Senior Security Engineer

Sphynx Technology Solutions

Aug 2021 - Present (5 months +)

Responsibilities:

- Managing and Designing SPHYNX's Cyber Range capabilities
- Developing the emulation (i.e., asset and threat emulation) and infrastructure orchestration mechanisms of SPHYNX's Cyber Range
- Developing training content for SPHYNX's Cyber Range
- Managing, Designing and Developing SPHYNX's Penetration Testing capabilities
- SPHYNX's designated penetration tester
- Managing, Contributing and Developing on RESIST EU Project
- Managing, Contributing and Developing on HOLOBALANCE EU Project
- Managing and Contributing on AERAS EU Project



### Security Engineer

Sphynx Technology Solutions

Jan 2020 - Aug 2021 (1 year 8 months)

Responsibilities:

- Designing SPHYNX's Cyber Range capabilities
- Developing the emulation (i.e., asset and threat) and infrastructure orchestration mechanisms of SPHYNX's Cyber Range
- Managing, Designing and Developing SPHYNX's Penetration Testing capabilities
- SPHYNX's designated penetration tester
- Managing, Contributing and Developing on RESIST EU Project
- Managing, Contributing and Developing on HOLOBALANCE EU Project
- Contributing and Developing on Threat Arrest EU Project

## **Software Engineer**

Sphinx Technology Solutions

Apr 2018 - Jan 2020 (1 year 10 months)

Responsibilities:

- Managing, Designing and Developing SPHYNX's Penetration Testing capabilities
- SPHYNX's designated penetration tester
- Managing, Contributing and Developing on RESIST EU Project
- Managing, Contributing and Developing on HOLOBALANCE EU Project
- Contributing and Developing on THREAT ARREST EU Project
- Contributing and Developing on SEMIOTICS EU Project

## **IT Support Technician**

Curvature

Apr 2016 - Dec 2016 (9 months)

Responsibilities:

- Uphold all aspects of Curvature's Information Security Management systems.
- Assist staff with the installation, configuration, and ongoing usability of desktop computers, peripheral equipment and software within established standards and guidelines.
- Assist in the design and deployment of a standard OS and Software images
- Works with vendor support contacts to resolve technical problems with desktop computing equipment and software.
- Manages Help Desk request queue (Ticketing System, Knowledgebase, and Asset Management).
- Trains and orients staff on use of hardware and software.
- Performs upgrades on systems to ensure longevity.
- Assists in maintaining Voice related services

## **IT Support /Network administrator Trainee**

Curvature

Oct 2015 - Apr 2016 (7 months)

- Uphold all aspects of Curvature's Information Security Management systems.
- Activities require interaction with application software and operating systems to diagnose and resolve problems.
- Assist staff with the installation, configuration, and ongoing usability of desktop computers, peripheral equipment and software within established standards and guidelines.
- Assist in the design and deployment of a standard OS and Software images
- Works with vendor support contacts to resolve technical problems with desktop computing equipment and software.
- Manages Help Desk request queue (Ticketing System, Knowledgebase, and Asset Management).
- Trains and orients staff on use of hardware and software.
- Performs upgrades on systems to ensure longevity.
- Assists in maintaining Voice related services

## **Technician's assistant / IT support**

Ipekat IKE

Jun 2013 - 2015 (2 years 7 months)

Responsibilities:

- Management and maintenance of IT equipment

## Education



### **City, University of London**

PhD, Computer and Information Systems Security/Information Assurance

2019 - 2023

Asset and Threat Emulation for Cybersecurity Training at School of Mathematics, Computer Sciences & Engineering



### **Technological Educational Institute of Crete**

Computer Software Engineering

2010 - 2018

Worked on several projects mainly on Python, JAVA , C++, Matlab.

## Licenses & Certifications



**EU Scholarship - Android Development for Beginners - Udacity**



**Neural Networks and Deep Learning - Coursera**

AX7EC2SQX9KD



**The Ultimate Ethical Hacking Course 2017 - Udemy**

UC-XRNM4HIJ



**IDS/IPS - Cybrary**

SC-c61f1a18c3-a3b75



**Incident Handling Training Course at NIS 2018 - ENISA-FORTH**



**Penetration Testing and Ethical Hacking - Cybrary**

C-c61f1a18c3-a2f5b1



**Python for Security Professionals - Cybrary**

C-c61f1a18c3-a9ae436



**Entry Level Training of Cyber-MAR project - CyberMAR**



**Offensive Pentesting Learning Path - TryHackMe**

THM-T8YUMV0S6S

## Skills

Software Development • Penetration Testing • Virtualization • Containerization • Research • Vagrant (Software) • Ansible • Docker Products • VirtualBox • Python (Programming Language)

## Honors & Awards



**Employee of the year** - Sphynx Technology Solutions

Dec 2020

Junior engineer of the year