

VISSARION MOUTAFIS

[✉ v.moutafis@tudelft.nl](mailto:v.moutafis@tudelft.nl) | [linkedin](#) | [github](#) | [📞 +31 0644048327](#)

Experience

Post-Graduate Researcher

Full-Time

TU Delft

May 2025 – now

- PhD Candidate Researcher in Systems Security
- Focus on low level software design, Dynamic Analysis and In-Process Isolation Techniques

Trainee

Part-Time

European Space Agency

Oct. 2024 – now

- Space OS Security Researcher
- RTOS and Hypervisor Security
- Systems Security Consulting

Teaching Assistant

Part-Time

TU Delft

Nov. 2024 – Mar. 2025

- Systems Security Teaching Assistant
- Technical Lab Organization
- Exam Evaluation

YPSAT2 Embedded Developer

Part-Time

European Space Agency

Oct. 2024 – Mar. 2025

- Embedded Development
- On-Board Platform Software Development
- System and Software Design

Graduate Research Assistant

Part-Time

TU Delft

July 2024 – April 2025

- Systems and Systems' Security Research

Security Engineer

Full-Time

Census Labs, Greece

Dec. 2022 – Jul. 2023

- 4-month internship: SAST, pentesting, web and mobile app security basics
- 5-month junior position: Advanced Pentesting on Linux and Windows environments.
- Building technical skills and methodology on penetration testing, web/mobile application testing, code auditing
- Vulnerability assessment, Vulnerability Reporting, Retesting and vulnerability mitigation consulting.

Data Science New Associate

Part-Time

Accenture Greece

Mar. 2022 – Nov. 2022

- Dev-Ops pipeline development and maintenance for Data Engineering procedures
- Back-end server and API development for entity recognition software
- Cooperation with an international team on a large scale project

Sales Associate

Part-Time

Media Markt Greece

July 2019– Aug. 2019

- Client interaction and communication
- Operational responsibilities

Education

PhD in Systems Security <i>Faculty of Electrical Engineering, Mathematics and Computer Science</i>	TU Delft May. 2025 – now
<ul style="list-style-type: none">• Research Interests: Guided Stateful Grey/Black Box Fuzzing, System Call Interposition, automated vulnerability discovery on Security Critical Infrastructure• Trainee/Visiting Research in European Space Agency• Promotor: Georgios Smaragdakis• Daily Supervisor: Alexios Voulimeneas	
MSc in Computer Science <i>Faculty of Electrical Engineering, Mathematics and Computer Science</i>	TU Delft Sept. 2023 – April 2025
<ul style="list-style-type: none">• Focus in Systems and Network Security• Research Thesis on Standardization of Space OS Security Testing for Mixed Criticality Systems• Early Graduation, GPA: 8.5/10	
BSc in Computer Science <i>Dept Informatics and Telecommunications</i>	National Kapodistrian University of Athens - Greece Oct. 2018 – Sept. 2022
<ul style="list-style-type: none">• Focus on Cybersecurity, Data Science and Software Engineering• Thesis on Membership Inference Attacks for Machine Learning Models• GPA: 9.5/10	
HTB Academy <i>Remote Interactive Courses</i>	Online May 2023
<ul style="list-style-type: none">• <u>Completion of Bug Bounty Hunter Path</u>	

Languages

English: Proficient
Greek: Native

Tech Stack

Programming Languages: C/C++, Go, Python, Bash, PowerShell, Java, SQL, PHP, HTML5/CSS, JavaScript, Typescript, Prolog, Scala
Tools: Linux, Docker, Kubernetes, Git, (N)Vim, VS Code, Springboot, Angular, FastAPI, Flask

Extracurriculars & Volunteering

Volunteer <i>Part-Time</i>	ASPLOS & Eurosys 2025 Apr. 2025
<ul style="list-style-type: none">• Helping with organizational tasks of the conference• Networking with researchers on the field of Computer Science• Attending presentations on cutting edge system security research	
Lab Associate <i>Part-Time</i>	National and Kapodistrian University of Athens Oct. 2019 – Dec. 2021
<ul style="list-style-type: none">• Introduction to programming labs, in C• Data Structures and Algorithms labs, in C	
Member <i>Part-Time</i>	TU Delft CTF Team Jan. 2018 – present
<ul style="list-style-type: none">• Participating to online CTF competitions with the TU Delft CTF Team• Attending weekly seminars about technical security topics	

Publications

CVEs

Open Source Work
May 2023 - Now

- 8 CVEs published during my time in Census Labs for Cacti Software
- 1 High Severity CVE for NASA's Cryptolib

Papers

- Clair Obscur*: The Light and Shadow of System Call Interposition – From Pitfalls to Solutions with K23 (2nd author) (to be seen in Middleware 2025)

Honors & Awards

Academic Excellence Scholarship

2023-2025

- Onassis Public Foundations
- John S. Latsis Public Foundation
- A.G Leventis Foundation

Conference Reviewer

2025

- SYSTOR 2025 - External Reviewer
- USENIX Security 2026 - External Reviewer