

VISSARION MOUTAFIS

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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

TU Delft

Faculty of Electrical Engineering, Mathematics and Computer Science

May. 2025 – now

- 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

TU Delft

Faculty of Electrical Engineering, Mathematics and Computer Science

Sept. 2023 – April 2025

- 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

National Kapodistrian University of Athens - Greece

Dept Informatics and Telecommunications

Oct. 2018 – Sept. 2022

- Focus on Cybersecurity, Data Science and Software Engineering
- Thesis on Membership Inference Attacks for Machine Learning Models
- GPA: 9.5/10

HTB Academy

Online

Remote Interactive Courses

May 2023

- Completion of Bug Bounty Hunter Path

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

ASPLOS & Eurosys 2025

Part-Time

Apr. 2025

- 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

National and Kapodistrian University of Athens

Part-Time

Oct. 2019 – Dec. 2021

- Introduction to programming labs, in C
- Data Structures and Algorithms labs, in C

Member

TU Delft CTF Team

Part-Time

Jan. 2018 – present

- Participating to online CTF competitions with the TU Delft CTF Team
- Attending weekly seminars about technical security topics

Publications

CVEs

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

Open Source Work

May 2023 - Now

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