MARIA LAZOU

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Education

National Technical University of Athens
Athens, Greece
2020 - present

MS-integrated B.Sc. in Electrical & Computer Engineering,

GPA: 9.3 /10 *(last updated Jul'25)*
- Majors: Computer Systems, Computer Software
- Minors: Computer Networks & Telecommunication Systems
- Thesis: Partial function offloading from edge devices to SGX Enclaves,
  Advisers: Nikos Vasilakis (Brown University) , George Goumas

Experience

Systems Research Group at Brown University
Providence, USA
Sep'25 - present

Visiting Research Scholar
Research Internship in systems automation for:
- Partial offloading of bottleneck functions containing sensitive data to cloud services & confidential computing using Intel's SGX enclaves
- Runtime bug detection using monitor-enforced policies for the shell

Computer Systems Lab at National Technical University of Athens
Athens, Greece
Mar'25 - Aug'25

Undergraduate Research Assistant
- Research on sparsity encountered in Machine Learning Inference, focusing on sparse kernel implementations and datasets used in Graph Neural Network workflows, oriented for both CPUs and GPUs.

Software Engineering Lab at National Technical University of Athens
Athens, Greece
2021 - 2022

Undergraduate Lab Assistant
- Undergraduate student support for H/W assignments in Introduction in Programming Languages and Programming Techniques courses.

Past Awards

IEEE Xtreme Competitions *(15 - 18)*
- Ranked amongst top 6% globally
- Ranked amongst top 9% globally

Oct'24
Oct'23

Johns Hopkins - Center for Talented Youth
- Attended Computer Science courses during the summer camp
- Attended Cryptology courses during the summer camp
- Selected among the highest scoring participants throughout Greece in SAT & STB exams

Thessaloniki, Greece
Jun-Jul'17
Jun-Jul'16
Feb'16

Volunteering

UniqueMinds
Workshop leader and creator for the computer software section, implemented a virtual escape room for understanding the utilities of a Linux FileSystem

Athens, Greece
Apr'25

Athens Science Festival
Guided tour assistant in the VR - AI exhibition

Athens, Greece
Oct'24

Technical Skills

C / C++, Rust, Python, Haskell, OCaml, Java, JavaScript, Coq, SQL, VHDL, Assembly
Docker, Git, Wireshark, Qemu, LaTeX

Languages

English (fluent - C2), German (good - B2)

Research Interests

Operating Systems, Security, Software-Hardware co-design, Compilers, Programming Languages