Panagiotis Chatzikallias

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Summary

Highly motivated Computer Science student on track to complete a 4-year BSc in 3 years, specializing in systems programming with a thesis on operating system kernels. A demonstrated leader and problem-solver with top-10 rankings in international programming and cybersecurity competitions. Passionate about building robust full-stack applications, with practical experience in .NET, Python, SLM pipelines, and B2B startup initiatives.

Education

B.S. in Computer Science (Expected September 2026) | University of Macedonia | Thessaloniki, Greece

- **GPA:** 8.3/10
- **Selected Relevant Coursework:** Data Structures (10/10), Object-Oriented Programming (10/10), Cloud Computing (8.5/10), Parallel Computing (8.5/10)

Accolades & Technical Achievements

- **Responsible Vulnerability Disclosure (CVE Pending):** Identified and led the coordinated disclosure for a critical vulnerability in the 'Unistudents' app (100k+ downloads), averting potential financial loss for sponsors. Coordinated directly with the vendor and MITRE.
- **Hackathon Winner (2nd Place):** Engineered a predictive regression model for Athens subway passenger flow using Open Data; success led to immediate commercial partnership discussions with transport authorities.
- **Top-Ranked Competitor:** SEERC 2025 Regional Finalist, **10th Place (Global)** at the HackTheBox University CTF (out of 100+ teams), **National Team Member** for Team Greece at the European Cyber Security Challenge (ECSC), placing **11th/28** in Europe after qualifying **3rd nationwide**.
- **Hack The Box (HTB) Challenge Author (Paid):** Authored a novel cryptography challenge currently under final review for a paid inclusion on the HTB platform.

Featured Engineering Projects & Ventures

GatOS (Modular Kernel Toolchain) | *Thesis Project*
Designed and implemented a cleanly architected, 100% modular open-source kernel from scratch, enabling rapid prototyping of custom operating systems. Adopted as the basis for educational and professional OS-design demos.

Intellectiva AI & OASA Partnership | *Co-Founder & Lead Engineer*

Developed an open-source predictive model for Athens subway passenger flow using regression analysis on Open Data. Leveraging this public prototype to finalize a B2G contract with OASA for professional deployment in 2026.

Intellectiva AI & Meteo.gr Partnership | *ML Engineer*
Architecting a proprietary SLM (Small Language Model) pipeline for Greece's leading weather service. Integrating the chatbot with Meta APIs to handle high-concurrency user queries in a production environment.

Skills

Languages: Python, C, C#, C++, Java, JavaScript, HTML/CSS
Frameworks & Tools: .NET (Blazor, ASP), MongoDB, SQL, Docker, Flask, Transformers, Git
Concepts: Full-Stack Development, OOP, SLM/LLM Pipelines, Data Structures, Algorithms, APIs
Languages: English (Near-Native), Greek (Native), French (Elementary)