

Marios Georgiades

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PROFILE

CS-bound student from Cyprus with a proven track record in competitive programming, networking, and independent software development. Three-time Cyprus Olympiad of Informatics competitor (reaching the national final in 2025), EJOI runner-up, and Cisco CCNA certified. A-Level Further Mathematics — Grade A. IELTS 7.5. Founder of Ascend — a live motivational web platform used by students during exam season. Currently working professionally at FX Sounds as a Web Developer & Event Technician while building a reinforcement learning training coach powered by wearable biometrics. Ultra runner (70km, 8hrs). Seeking tech internships in AI, networking, or software development.

EXPERIENCE

Web Developer & Event Technician · FX Sounds / Personal Micro-SaaS | Mar 2026 – Present

- Building FX Sounds' official website from scratch using HTML, CSS and JavaScript — first client of a personal micro-SaaS business building websites for local companies
- Operating professional audio, lighting and AV equipment at live events across Cyprus
- Working in high-pressure, live-event environments where technical precision is critical

Head of Technology · PathZero — Junior Achievement Cyprus Startup | 2025 – 2026

- Co-founded PathZero — a startup brand offering eco-friendly subscription boxes — as part of the Junior Achievement Cyprus programme
- Served as Head of Technology: responsible for all tech decisions, website development, and digital presence
- Collaborated with a cross-functional team to develop the brand concept, product offering, and go-to-market strategy

Founder & Developer · Ascend — Motivational Web Platform | 2024 – Present

- Built and deployed a live motivational platform used by students during the 2024 exam season
- Sole developer — handled UI design, front-end development, and deployment independently
- Built with HTML, CSS and JavaScript

Writer & Editorial Team Lead · Dasoupolis High School Newspaper | Sep 2022 – Jun 2025

- Wrote articles across all 3 years of high school covering technology and school affairs
- Promoted to editorial leadership team (αρχισυνταξία) in final year — reviewing and shaping each issue

AV & Event Technician · Dasoupolis High School | Sep 2022 – Jun 2025

- Operated microphone, sound system and full AV setup for all school events and ceremonies across 3 years

Team Leader · Junior Achievement Cyprus — Technology & Recycling | 2025

- Led school team to 2nd place nationally in a Junior Achievement competition
- Project concept centred on Flash Joule Heating as a scalable recycling solution
- Responsible for research, team coordination, and final national-stage presentation

PROJECTS

RL Training Coach — Python · PyTorch · Gymnasium · Stable-Baselines3 | 2026 – Present

- Building a reinforcement learning model ingesting data from Garmin, Whoop, Oura and Apple Watch
- Uses a Markov Decision Process with a multi-objective reward function: $\Delta\text{Fitness} - \lambda \cdot \text{Strain} - \gamma \cdot \text{Injury Risk}$
- Dynamically adjusts Banister Impulse Model decay constants based on real-time biometrics
- Prescribes personalised training loads beyond simple HRV threshold rules

Self-Hosted Home Lab — Proxmox · Linux · Docker · Nextcloud · Immich · Pi-hole | Jan 2026 – Present

- Built and maintain a full self-hosted infrastructure on repurposed hardware including a dedicated GPU machine
- Running Nextcloud, Immich, Pi-hole, self-hosted VPN, and local AI inference — zero paid subscriptions
- Migrated from bare Linux to Proxmox virtualisation; managing containers and resource allocation

Ascend — *HTML · CSS · JavaScript* | 2024 – Present

- Live motivational web platform actively used by students at Dasoupolis High School during exam season

EDUCATION

Dasoupolis High School · Nicosia, Cyprus | 2022 – 2026

- Advanced Mathematics, Physics, Greek, Computer Science, Cisco Networking
- Activities: Cyprus Olympiad of Informatics (3 years), Junior Achievement (2nd place national), Scout (9 years), School Newspaper — Writer & Editorial Lead, AV Technician

A-Level Further Mathematics · *Electra Private Institute* | 2023 – 2026

- Modules: Pure Mathematics P1, P2, P3, P4 · Further Pure Mathematics FP1, FP2
- Topics: Advanced calculus, complex numbers, matrices, differential equations, further mechanics

Grade: A

BSc Computer Science — *University (commencing 2026)*

Specialisation intended: Artificial Intelligence & Networking

CERTIFICATIONS & QUALIFICATIONS

- ▶ **CCNA: Introduction to Networks (CCNA1)** — Cisco Networking Academy (May 2025)
- ▶ **CCNA: Switching, Routing & Wireless (CCNA2)** — Cisco Networking Academy (2026)
- ▶ **Information Security Certification** — freeCodeCamp (2025)
- ▶ **IELTS Academic** — British Council / IDP (2025 — Band Score 7.5)
- ▶ **C1 Advanced (CAE)** — Cambridge Assessment English (2023 — Pass with Merit)
- ▶ **IGCSE English as a Second Language** — Cambridge International (2024 — Grade B)

HONORS & AWARDS

- ▶ **Cyprus Olympiad of Informatics — National Final Round (100 pts)** — Cyprus Computer Society (2025)
- ▶ **Cyprus Olympiad of Informatics — Competitor** — Cyprus Computer Society (2023, 2024, 2025)
- ▶ **EJOI Selection — Runner-up** — Cyprus Computer Society (2023)
- ▶ **Programming Coding Relay — 7th Place out of 20 schools** — Cyprus Computer Society (2024)
- ▶ **Junior Achievement — 2nd Place National (Flash Joule Heating)** — Junior Achievement Cyprus (2025)
- ▶ **Democracy Award (Βραβείο Δημοκρατίας)** — Cyprus Scout Association (2024)

TECHNICAL SKILLS

Languages: Python · JavaScript · HTML/CSS · C · Bash

Networking: Cisco CCNA · TCP/IP · VLANs · Subnetting · Network Security · DNS · VPN

Infrastructure: Proxmox · Linux · Docker · Nextcloud · Pi-hole · Self-hosted AI

AI / ML: PyTorch · Gymnasium · Stable-Baselines3 · Reinforcement Learning · Local LLM inference

Security: Information Security · Cryptography · Penetration Testing basics (freeCodeCamp)

Tools: Git · GitHub · VS Code · Packet Tracer · Canva

ADDITIONAL

Languages: Greek (native) · English (fluent — IELTS 7.5, C1 Merit)

Sport: Ultra runner — 70km (8hrs) · 50km finisher · Cyprus Backyard Ultra finisher · Judo (4 years) · Gym

Scouting: 9-year scout — Cyprus Scout Association · Democracy Award recipient