

# Emmanouil Raftopoulos

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## Education

- 2022 – Now **University of Thessaly**, Volos, Greece  
*Department:* Electrical and Computer Engineering  
*Current GPA:* 8.82 (/10)
- 2019 – 2022 **High School**, Volos, Greece  
*GPA:* 19.2 (/20)

## Work Experience

- 2025 – Now **Agrobox**, *Designer, Analyst and Computer Systems Programmer*, Smart IoT systems for Agriculture Practices.
- 2023 – 2025 **Plaisio**, *Instructor in the "Plaisio Bots 2.0 and 3.0" competition*, Arduino & Raspberry based Projects.
- 2023 – 2024 **Private Company**, *Software Development*.  
Project: Parking finding Application.
- 2022 – 2024 **TALOS**, *Teaching assistant in circuits lab (Arduino & Raspberry) for pupils*.
- 2021 – 2022 **CEEII**, *Software Development with blockchain economy*, Uppsala, Sweden.  
Project: Mobile App with economy based on CEEII token.

## Volunteering

- 2024 – 2024 **EMERGING TECH CONFERENCE**, *Technical Support at Edge Intelligence 2024 Conference*, Volos, Greece.
- 2024 – 2024 **SMACD 2024**, *Technical Support at SMACD 2024 Conference*, Volos, Greece.
- 2023 – 2023 **IISA 2023**, *Technical Support at IISA 2023 Conference*, Volos, Greece.
- 2022 – 2023 **ECESCON 14**, *Technical Support at ECESCON 14 Conference*, Volos, Greece.

## University Teams

- 2022 – Now **Broken Shells, IEEE, Ethical Hacking**, Volos, Greece.  
Project: Active participation in CTF competitions and HackTheBox machines.
- 2024 – Now **Star Bound, IEEE, Software and Embedded Systems Programming**, Volos, Greece.  
Project: Development of a Unmanned Aerial Vehicle.
- 2022 – 2025 **HERMES, Software and Embedded Systems Programming**, Volos, Greece.  
Project: Development of a fully functional robotic exoskeleton for individuals with Spinal Cord Injuries (SCI), providing them with the capability to fulfill basic daily needs.

## Skills

- Programming C/C++, Python, ESP32/Arduino/STM32, Cross-Platform Development (Dart/Flutter), Web Development (React, PHP)
- Language Greek (native), and English (fluent C2)

## Awards

- 2020 **MIT App Hackathon, Third (3<sup>rd</sup>) place internationally**.  
Project: Emergency / Health Application
- 2021 **Europe Code Week Hackathon, Qualified to next phase**, Greece.  
Project: Reservation App during Covid-19
- 2022 **Climathon, Third (3<sup>rd</sup>) place**, Volos, Greece.  
Project: Community Garden App with image recognition
- 2023 **HackTheBusiness Thessaly Qualifiers, Qualified to finals**, Volos, Greece.  
Project: Rentals Ranking App based on user's criteria
- 2024 **National Cyber Defense exercise PANOPTIS, Eighth (8<sup>th</sup>) place**, Hellenic National Defense General Staff, Greece.
- 2024 **GRCPC, Qualified to SEERC**, Greece.  
Competitive Programming

## Additional Experience

- 2022 **Erasmus+ Learning Mobility Project**, *Youth together for green and sustainable European smart villages*, Vienna, Austria.
- 2024 **Erasmus+ Youth Exchange**, *I do not abuse, I include!*, Obon, Teruel.  
Spain

## Hobbies

Chess, ELO: 1650, (Coach & Arbiter)

Football