

Eleftherios Vagiotas

Date of birth: 05/09/2003

Nationality: Greek

Gender: Male

CONTACT

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https://github.com/leutvag

ABOUT ME

Computer Science graduate with a strong interest in networking, cybersecurity, and distributed systems.
Hands-on experience with networking concepts through Cisco Networking Academy and practical exposure to telecom services and IT support.
Passionate about network infrastructure, security, and continuous learning in ethical hacking and system protection.

WORK EXPERIENCE

Hellenic Army Athens & Evros, Greece

Full-Stack Developer & AI Project Contributor

02/06/2026 – Current

Main activities and responsibilities:

• Developed both the frontend and backend of a full-stack ordering application for a military officers' club, using React, Node.js, Supabase, and PostgreSQL.
• Built the user interface and implemented backend functionality and database integration to support order management.
• Contributed to the development of a camera-based object detection prototype using Python and YOLOv8, including frontend and backend components.
• Used Git and GitHub for version control and team collaboration, and Trello for task organisation.

Technologies and tools: JavaScript, React, Node.js, Python, YOLOv8, Supabase, PostgreSQL, Vercel, Git, GitHub, Trello, Visual Studio Code.

• Implemented user authentication and role-based access controls to protect application data and restrict access to authorised users.
• Contributed to additional technology projects within a restricted military environment, working with sensitive information under strict confidentiality and security requirements.

Computer Life Imathia's Veroia, Greece

IT Support & Technical Sales Associate (Telecom Services)

01/2026 – 02/2026

• Training on telecom services, internet connectivity and networking solutions (Nova)
• Analysis of customer requirements and proposal of appropriate technical solutions
• Use of internal CRM and service management systems for customer data handling
• Order processing, service activation and basic troubleshooting via ISP platforms
• Client-facing technical communication and support
• Exposure to access-controlled systems and customer data handling with focus on security awareness

Music High School of Kavala Kavala, Greece

Teaching Internship

15/01/2025 – 10/06/2025

- Delivered introductory programming lessons using Scratch.
- Guided students in developing interactive projects.
- Enhanced pedagogical and communication skills.

Semantic Business Software Veroia, Greece

Junior Web Developer

02/07/2024 – 13/09/2024

- Website development using HTML, CSS, JavaScript, CMS tools, and Python/PHP for API integration and database connectivity.
- Customization and configuration of websites according to client requirements.
- Adjustment and customization of invoice templates within web platforms.

- Gained hands-on experience in a real-world development environment under the guidance of experienced developers.
- Design and management of databases using MySQL.

EDUCATION AND TRAINING

01/10/2021 – 17/06/2025 KAVALA, Greece

Department of Computer Science Democritus University of Thrace

Website https://www.cs.duth.gr/ | **Field of study** Computer Science | **Final grade** 8.53

15/01/2025 – 15/06/2025 KAVALA, Greece

Teaching & Pedagogical Competence Democritus University of Thrace

Website https://www.cs.duth.gr/ | **Field of study** Teaching and Pedagogical Competence | **Final grade** 10/10 | **Level in EQF** EQF level 6

16/11/2024 – 29/08/2025

Responsive Web Design freeCodeCamp

Focuses on HTML, CSS, accessibility, responsive layouts, Flexbox, Grid, and building real-world projects.

Website https://www.freecodecamp.org/certification/leutvag/responsive-web-design

01/06/2023 – 29/11/2023

Networking Devices and Initial Configuration Cisco Networking Academy

06/07/2023 – 11/11/2023

Networking Basics Cisco Networking Academy

08/08/2023 – 07/12/2023

Network Support and Security Cisco Networking Academy

16/08/2023 – 03/12/2023

Network Addressing and Basic Troubleshooting Cisco Networking Academy

15/01/2024 – 17/04/2024

Bioinformatics for Beginners University of San Diego California

12/10/2023 – 21/02/2024

Artificial Intelligence and Machine Learning Johannes Kepler and Technische Wien University

18/12/2023 – 04/03/2024

Algorithms and Data Structures Bildung Wissenschaft Und Forschung

03/09/2023 – 20/02/2024

Inclusive Peer Learning with Augmented Reality iPEAR Team

10/09/2023 – 23/02/2024

Database with SQL Klagenfurt University

13/11/2023 – 21/02/2024

Programming with Java 2 Johannes Kepler Univeristy

26/09/2021 – 20/10/2021

Learning to Learn Online Athabasca University of Canada

15/10/2023 – 28/02/2024

Programming with Python University of Graz

14/10/2023 – 21/02/2024

Modelling with UML Technische University Wien

15/12/2023 – 25/03/2024

Data Analytics Essentials Cisco Networking Academy

15/01/2023 – 23/03/2024

English for IT Cisco Networking Academy

01/09/2018 – 01/07/2021 Veria, Greece

High School Diploma 2st General Lyceum of Veria

Final grade 19.6

LANGUAGE SKILLS

MOTHER TONGUE(S): Greek

Other language(s):

English

Listening B2	**Spoken production** B2
Reading B2	**Spoken interaction** B2
Writing B2	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2025

Enhancing Edge AI Systems Perf. via Energy Equilibrium

This work addresses the growing computational demands of edge IoT devices by proposing an energy-equilibrium approach for AI task distribution. The study formulates and solves a complex optimization problem using an enhanced version of the EAI-ARO algorithm, achieving reduced execution time and extended device lifetime compared to previous methods.

Amanatidis, P., Vagiotas, E., et al. (2025). Enhancing the Performance of Edge AI Systems via Energy Equilibrium. DCOSS-IoT, IEEE.

Authors Amanatidis, P., Vagiotas, E., et al.

Journal Name 21st Int. Conf. on Distributed Computing in Smart Systems & IoT | **Publisher** IEEE

PROGRAMMING LANGUAGES & WEB TECHNOLOGIES

Programming Languages: Python, Java, Kotlin, JavaScript, C++

Database Query Languages: SQL, MySQL, PostgreSQL

Web Markup & Styling: HTML, CSS, Bootstrap

Web Frameworks & Runtimes: React, Node.js, Next.js

- **Document Preparation & Typesetting: LaTeX**

DEVELOPMENT TOOLS & TECHNOLOGIES

- **IDEs & Code Editors: Visual Studio Code, NetBeans, Eclipse, Android Studio**
- **Databases & Database Tools: PostgreSQL, MySQL Workbench, Oracle SQL Developer, Prisma Studio**
- **Backend & Deployment Platforms: Supabase, Vercel**
- **Version Control & Collaboration: Git, GitHub, Trello, Jira**
- **Cybersecurity & Network Analysis: Kali Linux, Nmap, Wireshark**
- **Scientific Computing: MATLAB, R Studio**

REFERENCES

- **Letters of recommendation available upon request**