

# Angelos Eleftheriou

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## Education

### BSc in Electrical and Computer Engineering

University of Cyprus, Cyprus

08/2021 – Current

With focus in Intelligent Systems, Biomedical Applications and Power Systems

### High School Diploma

Likeio Giannaki Talioti, Cyprus

05/09/2017 - 05/05/2020

With focus in Mathematics, Physics, Computer Science and Engineering

GPA = 91.65%

### IGCSE Computer Science

Cambridge University

05/09/2016 – 05/09/2017

### ECDL Certificate

Cyprus Computer Society

07/09/2012 – 02/09/2013

### IGCSE English Language

Andri Manoli, Cyprus

11/09/2016 – 14/11/2017

### Duolingo English Test

Duolingo

Pending

## Work Experience

### Military Service, Cyprus Army, Paphos, Cyprus

14/07/2020 – 20/09/2021

Captain's Office Assistant — Security & Training

IT Maintenance & Support — Camera's Monitoring Trainer

Staff Sergeant & Camp Coordinator — Recruits Trainer

### IT Support and Guide, CFE-CMStatistics, (Kyoto, Japan & Bologna, Italy)

04/06/2022–06/06/2022 (Kyoto), 23/08/2022–26/08/2022 (Bologna)

Monitored conference participants during the conference, providing guidance and technical support to the speakers of the 5th and 6th International Hybrid Conferences on Econometrics and Statistics (EcoSta 2022).

### Tech.D Internship, PwC, Nicosia, Cyprus

01/07/2023 – 01/08/2023

- Cyber Security: Assessed and tested client systems and networks for risks and vulnerabilities.
- AI Development: Developed and deployed AI models using various frameworks.
- IT Consulting: Advised clients on IT-related challenges and researched best practices.
- Data Analysis: Processed large datasets and extracted actionable insights.

### IT Support and Guide, CFE-CMStatistics, Tokyo, Japan

15/08/2025 – 19/08/2025

I will provide critical in-person IT support and coordination for the international conference EcoSta 2025 in Tokyo.

## Projects

### Development of a Device and AI Software for Nanoparticle Synthesis

01/07/2024 – 01/06/2025

Designed a device for nanoparticle synthesis and developed AI-driven software to automate and control a pressure system, providing automation for high-precision experiments.

### Design and Implementation of a MIPS 16 Microprocessor

06/12/2022 – 12/05/2023

Developed a fully functional MIPS 16 microprocessor in VHDL on FPGA, including all components like ALU, control unit, and memories.

### Memory Erasure Solutions for PTSD Treatment

18/01/2022 – 06/04/2022

Developed a business plan for a company offering a novel PTSD memory erasure service, analyzing market potential, ethical/legal concerns, and technical feasibility, created a virtual machine design, calculated costs and profits, and devised a growth strategy while addressing potential risks.

### Compete in CASSINI Hackathon: Space for Defence & Security

06/03/2023 – 30/03/2023

Developed a project aimed at safeguarding critical infrastructures using satellite and blockchain technology.

### Custom Microfluidic Device Design and Fabrication for Fluid Micromixing

Designed and fabricated custom microfluidic devices, optimizing micromixing properties.

### Survey Application for Cyprus Ministry of Education

Developed a survey application using React and TypeScript.

### Waterboard Data Management System

Developed a data management system for waterboard departments across Cypriot cities.

## Skills

### Technical Skills:

- Programming Languages: Python, MatLab, C, C++, MIPS/Assembly,
- Machine Learning & Artificial Intelligence:
  - Programming & Frameworks: Python (NumPy, OpenCV), MATLAB (Deep Learning & Optimization Toolboxes)
  - Hardware & Edge AI: FPGA, Raspberry Pi
- Cybersecurity and Risk Management
- GUI Development: Python (CustomTkinter, Kivy)

## Honours and Awards

### Winner of the 2024 ChipQuest Competition, SEMICON Europa

06/12/2024

Awarded first place in the ChipQuest Challenge, a Europe-wide competition organized by SEMICON Europa about semiconductors

### Speaker at the 9th Pierre de Coubertin Conference, Cyprus Olympic Committee

26/02/2020

Selected to deliver a speech at the 9th Conference "Pierre de Coubertin," held at the Cyprus Olympic Committee. The conference focused on sports philosophy, personal development, and universal principles.

## Volunteering

### Anti-Drug Organization «Δημοτική Ομάδα Πρόληψης», Paphos, Cyprus

2013 – Current

Contributed to prevention programs, providing education and support to communities. Collaborated with local government bodies and other organizations to combat dependencies.