Angelos Nikolaos Potamianos

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EDUCATION

10/2025 - Ongoing	**University of Patras (UPatras),** Patra, Greece
	• MSc in Machine Learning & Data Science (SPCLAB) 1.5-year program, 90 ECTS
10/2020 - 10/2025	**University of Patras (UPatras),** Patra, Greece
	• BSc and Integrated MSc in Computer Engineering & Informatics (5-year degree; 300 ECTS)
	o Grade: 7.27/10 "Very Good"
09/2014 - 06/2020	American College of Greece, Athens, Greece (Grade: 19.6/20 "Distinction")

PROFESSIONAL & RESEARCH EXPERIENCE

10/2024 – 10/2025   Master Thesis Research, SPCLAB - Signal Processing and Communications Lab, University of Patras, Greece

- Conducted research on swarm intelligence applications in autonomous driving systems
- Developed machine learning and deep learning models to improve vehicle decision-making and navigation
- Implemented consensus and cooperative algorithms for enhanced environmental perception and object detection
- Simulated swarm behaviors to optimize traffic flow and vehicle coordination
- Collaborated with faculty and research team members

09/2024 – 06/2025   Front End Web Developer, ACM UPatras Student Chapter, Greece

- Developed and maintained the chapter's website using HTML, CSS, and JavaScript
- Designed and implemented responsive user interfaces to enhance user experience across devices
- Collaborated with team members to integrate new features and improve site functionality
- Assisted in optimizing website performance and loading times

11/2023 – 06/2025   Software Engineer, University of Patras Racing Team, Greece

- Developed and implemented software for vehicle control and telemetry systems
- Created data acquisition and analysis tools to enhance racing vehicle performance
- Collaborated with multidisciplinary teams to integrate software solutions with mechanical and electrical components
- Assisted in testing and debugging software under simulated and real-world racing conditions
- Contributed to the optimization of algorithms for improved speed and reliability of the racing car's systems

02/2023 - 06/2023   Internship, Junior System Administrator, Dpt. Of Civil Engineering, University of Patras, Greece

- Assisted in the maintenance and administration of the department's computer networks and systems
- Provided technical support to faculty and students for hardware and software issues
- Participated in updating documentation for IT procedures and user guides

HONORS & AWARDS

- **VectorCamp & ACM Student Chapter SIMD in IoT Workshop (Arm Development Program) 2024**, Winner of the SIMD code optimization challenge on Raspberry Pi Zero among 75+ participants
- Distinction awarded for every class throughout middle and high school

SKILLS

• Programming Languages	Python, C, JavaScript
• Machine Learning & AI	TensorFlow, PyTorch, Scikit-learn
• Computer Vision	OpenCV, YOLO
• Simulations	MATLAB/Simulink, CARLA

PARTICIPATIONS & VOLUNTEERING

- POS4work Innovation Hub, Webinar series "The Founder's Journey: 5 Steps to Build your Startup" in collaboration with Piraeus Startup Accelerator, Patras 2025
- Comote Grow Your Business, 72-hours webinar in collaboration with the Athens University of Economics and Business (AUEB), Athens 2024

- Patras IQ, Innovation and Technology Exhibition, Patras 2023, 2024
- University Of Patras Racing Team, Dec 2023 – Jun 2025
- ACM Student Chapter University of Patras, Sep 2023 – Jun 2025

LANGUAGES

- **English** (fluent), **French** (basic), **Greek** (native)