Angelos Nikolaos Potamianos

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EDUCATION

10/2020 - 06/2025 **University of Patras (UPatras),** Patra, Greece
- BSc and Integrated MSc in Computer Engineering & Informatics (5-year degree; 303 ECTS)
  - Expected Grade: 7.2/10 "Very Good"

09/2014 - 06/2020 American College of Greece, Athens, Greece (Grade: 19.6/20 "Distinction")

PROFESSIONAL & RESEARCH EXPERIENCE

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

- Conducting research on swarm intelligence applications in autonomous driving systems
- Developing machine learning and deep learning models to improve vehicle decision-making and navigation
- Implementing computer vision algorithms for enhanced environmental perception and object detection
- Simulating swarm behaviors to optimize traffic flow and vehicle coordination
- Collaborating with faculty and research team members to publish findings in academic journals

09/2024 - Ongoing **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 - Ongoing **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

- 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

- 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 – present
- ACM Student Chapter University of Patras, Sep 2023 – present

LANGUAGES

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