Ilias Papastratis
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OBJECTIVE

Hello I am Ilias Papastratis, an AI researcher with focus on deep learning and computer vision. I have a MEng in Electrical Engineering and a MSc in Artificial Intelligence. I have worked for 4 years on research projects with challenging object, video classification and recognition tasks. What do I do in my free time? Probably, you will find me in the gym, hanging out with friends traveling or snowboarding in the winter.

EXPERIENCE

IT Coordinator | Research and Informatics Corps/ C Army Corps
03/2022 – 03/2023 Thessaloniki, Greece

- Maintenance and administration of local network with Windows Server 2016 and about 200 Windows 7/10 clients.
- Management of Domain server, File server and Active Directory
- Installation and configuration active equipment (switches, routers, computers)

Machine Learning Researcher | Centre for Research and Technology Hellas – CERTH
10/2018 – 02/2022 Thessaloniki, Greece

- Deep learning applications with video and image recognition using Python frameworks (Tensorflow, PyTorch, OpencCV, Docker and Flask)

Projects

- Epikoinono – Android Application development for the conversion of Greek sign language into written and spoken language using deep neural networks
- QCONPASS - Dynamic Quality CONtrol on Production lines using Intelligent AutonomouS vehicleS with object recognition system

Involved Technologies: Python, PyTorch, Tensorflow, OpenCV, Docker, Java, Linux

Research Associate | Aalto University
02/2018 – 08/2018 Helsinki, Finland

Co-design of control and communication protocols in Wireless Networked Control Systems Control and navigation of quadrotor aerial vehicle using Ultra Wide Band positioning system

Involved Technologies: C++, Python, ROS, Matlab

EDUCATION

MSc on Digital Media and Computational Intelligence | School of Informatics, Aristotle University of Thessaloniki
10/2020 – 02/2022 GPA: 8,82/10

Main courses: Signal processing, computational vision, computational intelligence, graphics, bioinformatics and robotics.

Thesis: Intrinsically disordered protein prediction for genomes and metagenomes. The main goal of the thesis was to predict intrinsic disorder using machine and deep learning networks and employ prediction methods on metagenomic data.

MEng in Electrical Engineering and Computer Science | University of Patras
10/2012 – 07/2018 GPA: 7,21/10

Thesis: Navigation of autonomous four-wheeled robot using Computer Vision techniques

Projects

• Computational Geometry: Skeleton extraction of 3D object by Mesh Contraction, 1D Skeleton Extraction

• Design and Simulation of 4 DOF Robotic arm manipulator: Forward and Inverse Kinematics,

Dynamics, Control and Path Planning using Matlab and Robotics Toolbox

• Differential wheeled robot car programming using Accelerometer, Gyroscope and Ultrasonic

sensors. Tasks: Control, Path planning and Obstacle Avoidance

SKILLS

- Python
- C++
- PyTorch
- Tensorflow
- Linux
- OpenCV
- Docker
- Matlab
- Java
- ROS
- SQL

LANGUAGES

- Greek (Native)
- English (Proficient)