

# Ilias Papastratis

## Personal Info

[Date of Birth] 26/02/1994

[Nationality] Greek

## Contact info

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## Work Experience

[Research Associate] / [Centre for Research & Technology Hellas (CERTH), Department of Information Technologies Institute, Thessaloniki Greece]

**[OCTOBER 2018] – [PRESENT]**

Deep learning research in video and image recognition with focus in sign language recognition, action recognition and object detection

[Internship] / [Aalto University, Espoo Finland]

**[FEBRUARY 2018] – [JULY 2018]**

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

## Education

[MSc in Digital Media and Computational Intelligence] / [ School of Informatics at the Aristotle University of Thessaloniki]

**[SEPTEMBER 2020-DECEMBER 2021]**

[M.Eng. in Electrical Engineering and Computer Science] / [University of Patras Department of Electrical Engineering, Patras Greece]

**[SEPTEMBER 2012-JULY 2018]**

**GPA 7.2/10**

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

[High School Degree] / [2nd High School of Sparti, Sparti Greece]

**[SEPTEMBER 2009-JULY 2012]**

### Technical Skills

- Python
- Tensorflow and PyTorch frameworks
- Matlab
- C++
- Java
- Computer Vision
- Machine and Deep Learning

### Languages

Greek-Native

English-Excellent Edexcel Level 5 Certificate (C2 - Proficiency)

German-Basic Goethe-Zertifikat B1