

# Ilias Papastratis

## Personal Info

[Date of Birth] 26/02/1994

[Nationality] Greek

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[Webpage] <https://iliasprc.github.io/>

## Work Experience

[OCTOBER 2018] - [PRESENT]

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

Deep learning research in video and image recognition with focus in sign language recognition

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[FEBRUARY 2018] - [JULY 2018]

**[Internship]** / [Aalto University, Espoo 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

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## Education

[SEPTEMBER 2012-JULY 2018]

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

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

[2009-2012]

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

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## Technical Skills

- Python
- Tensorflow, PyTorch framework
- Matlab

- C++
- Java

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## Languages

Greek-Native

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

German-Basic        Goethe-Zertifikat B1

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