

# Alexandros Filotheou

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[github.com/li9i](https://github.com/li9i) | [scholar.google.com/alexandros-filotheou](https://scholar.google.com/alexandros-filotheou)

I have 7+ years of hands-on experience in robotics which includes SLAM, [Localisation](#), [Autonomous Navigation](#), [Control](#), [Computer Vision](#), and general integration, problem-solving, and troubleshooting. These I have acquired in [real conditions with real robots](#) as well as in simulation, working for research projects funded by the European Commission and the Greek State, or through volunteering. I am proficient in ROS and ROS 2, in versioning through git, virtualisation via Docker, and also in MATLAB/Octave, all the while under Linux. My primary coding language is [C++](#) and my secondary [Python](#).

Demos / videos	<a href="#">cbgl</a> · <a href="#">fsm</a> · <a href="#">cultureid</a> · <a href="#">relief</a> · <a href="#">multi-mpc</a> · <a href="#">Portfolio</a>
Indicative software packages	<a href="#">cbgl</a> · <a href="#">fsm-lo</a> · <a href="#">PANDORA Hole Detection</a>
Indicative publications	<a href="#">[cbgl]</a> · <a href="#">[fsm]</a> · <a href="#">[multi-mpc]</a>

## Work Experience

Sep 2023 – present	<b>Robotics Engineer</b> Center for Research and Technology Hellas (CERTH), Thessaloniki, Greece
Sep 2018 – Mar 2023 [4.5Y]	<b>Robotics and Control Engineer</b> ECE Department, Aristotle University of Thessaloniki, Greece
Sep 2016 – Nov 2016 [3 mo]	<b>Teaching Assistant</b> · DD2380 Artificial Intelligence KTH Royal Institute of Technology, Stockholm, Sweden

## Voluntary Experience

Oct 2013 – Jul 2014 [10 mo]	<b>Computer Vision Engineer</b> , PANDORA Robotics Team ECE Department, Aristotle University of Thessaloniki, Greece
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## Education

Sep 2018 – Jun 2023	<b>Doctorate</b>
Sep 2005 – Jul 2013	<b>Diploma</b> Electrical and Computer Engineering (ECE) Department Aristotle University of Thessaloniki, Greece
Sep 2015 – Jun 2017	<b>Master of Science</b> · <i>Systems, Control, and Robotics</i> School of Electrical Engineering and Computer Science KTH Royal Institute of Technology, Stockholm, Sweden

## Skills

Languages	C/C++, Python, shell, MATLAB/Octave
{Meta-}Operating Systems	Linux, ROS 2, ROS
Tools	git, Docker, Eigen, Behavior Trees, Gazebo, CI/CD, Qt / Tkinter, OpenCV, L <sup>A</sup> T <sub>E</sub> X
Control Techniques	MPC, PID, LQR

## Languages

English	Fluent — IELTS Score 8.5 (Greek Native)
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## References

Dr. Antonis Dimitriou · Coordinator of the projects for which I worked during my A.U.Th. years  
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For a complete list of references, whether they be supervisors or coworkers, visit

<https://github.com/li9i/cv/tree/master/references>