

Alexandros Filotheou

Thessaloniki, Greece | alexandros.filotheou@gmail.com | (+30) 693 8787 677 | [linkedin.com/in/alexandros-filotheou](https://www.linkedin.com/in/alexandros-filotheou)
github.com/li9i | 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 [cbgl](#) · [fsm](#) · [cultureid](#) · [relief](#) · [multi-mpc](#) · [Portfolio](#)
Indicative software packages [cbgl](#) · [fsm-lo](#) · [PANDORA](#) [Hole Detection](#)
Indicative publications [\[cbgl\]](#) · [\[fsm\]](#) · [\[multi-mpc\]](#)

Experience

-
- Robotics Engineer** · CErTH, Thessaloniki GR Sep 2023 – Present
- Item 1 description here
 - Item 2 description here
 - Item 3 description here
- Robotics and Control Engineer** · ECE dept., AUTH, Thessaloniki GR Sep 2018 – Mar 2023
- Technical leader of everything robotics in two NSRF projects: [relief](#) · [cultureid](#)
 - Technical leader of everything robotics in two NSRF projects
 - Item 3 description here
- Teaching Assistant** · KTH Royal Inst. of Technology, Stockholm SE Sep 2016 – Nov 2016
- Examiner for DD2380 - Artificial Intelligence under the supervision of Prof. Patric Jensfelt

Voluntary Experience

Oct 2013 – Jul 2014 [10 mo] **Computer Vision Engineer**, PANDORA Robotics Team
ECE Department, Aristotle University of Thessaloniki, Greece

Education

Sep 2018 – Jun 2023 **Doctorate**
Sep 2005 – Jul 2013 **Diploma**
Electrical and Computer Engineering (ECE) Department
Aristotle University of Thessaloniki, Greece

Sep 2015 – Jun 2017 **Master of Science** · *Systems, Control, and Robotics*
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 ^A T _E X
Control Techniques	MPC, PID, LQR

Languages

English Fluent — IELTS Score 8.5 (Greek Native)

References

Dr. Antonis Dimitriou · Coordinator of the projects for which I worked during my A.U.Th. years
(+30) 697 88 96 350 | antodimi@auth.gr

For a complete list of references, whether they be supervisors or coworkers, visit

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