Paolo Leopardi

PhD Student

● *Konstanz, Germany*
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Experience

07/2023 - 11/2023	**Research scholar**, *Università degli Studi di Perugia*, Perugia, Italy Scholarship research activity entitled *Development and testing of methods for drones control*
11/2022 - 01/2023	**Multiplex employee**, *UCI Cinemas Italia*, Perugia, Italy
03/2022 - 04/2022	**Intern**, *Autognity*, Cascina (PI), Italy 12 ECTS (300 hours) university internship. Main activities: - Analysis of the navigation system implemented in a mobile robot developed by the company - Study and configuration of the parameters concerning the localization algorithm and the local planning trajectories algorithms - Implementation of the Extended Kalman Filter for odometry estimation in the navigation stack

Education

11/2023 - present	**Doctor of Philosophy, Computer Science**, Universität Konstanz, Konstanz, Germany
09/2020 - 02/2023	**Master's Degree, Computer and Robotics Engineering**, *Università degli Studi di Perugia*, Perugia, Italy

Thesis: *Implementation of an Hardware In The Loop Framework for optimal feedback control of a quadcopter*
Supervisors: Prof. Francesco Ferrante, Dr. Mirko Leomanni
Grade: 110/110 with honors

09/2016 - 09/2020	**Bachelor's Degree, Computer and Electronics Engineering**, *Università degli Studi di Perugia*, Perugia, Italy

Thesis: *Image segmentation for driverless autonomous robots and control schemes testing for Lane Following Assist*
Supervisors: Prof. Paolo Valigi
Grade: 103/110

09/2011 - 07/2016	**Secondary School Diploma**, *Istituto d'Istruzione Superiore Marco Polo - Ruggero Bonghi*, Assisi (PG), Italy

Grade: 83/100

Skills

Technical skills

Basic	C++, PX4 Autopilot
Intermediate	Python, Robot Operating System (ROS 2), MATLAB, Simulink, Java, LaTeX, Microsoft Windows, Ubuntu

Language skills

Italian	Mother tongue
English	Intermediate

December 24, 2024

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