



# Alberto Dionigi

## Curriculum Vitae

### Education

- November 2020 - Present **PhD in Information Engineering**, *The University of Perugia*, Department of Electrical and Information Engineering, Perugia, Italy.  
Currently a student.
- July 2020 **Professional Qualification as Information Engineer**, *The University of Perugia*, Department of Electrical and Information Engineering, Perugia, Italy.  
Mark: 60/60.
- October 2017 - June 2020 **Masters Degree in Computer and Robotics Engineering**, *The University of Perugia*, Department of Electrical and Information Engineering, Perugia, Italy.  
Mark: 110/110 *cum laude*.
- October 2014 - February 2018 **Bachelor Degree in Computer and Electronic Engineering**, *The University of Perugia*, Department of Electrical and Information Engineering, Perugia, Italy.  
Mark: 110/110 *cum laude*.

### Experience

- November 2020 - Present **Research Assistant**, DEPARTMENT OF ENGINEERING, Perugia, Italy.  
○ Type of employment: Research Assistant.  
○ Main activities and responsibilities: Research activities on Robotics, Computer Vision and Machine Learning. Support in teaching activities.
- September 2020 - November 2020 **Research fellow**, DEPARTMENT OF ENGINEERING, Perugia, Italy.  
○ Type of employment: Research fellow in the project: APPLICATIONS OF MACHINE LEARNING TECHNIQUES TO PRECISION AGRICULTURE.  
○ Main activities and responsibilities: Research activities on Robotics, Computer Vision and Machine Learning for agricultural applications.
- June 2020 - Present **Co-Founder at RedLynxRobotics s.r.l.**, RED LYNX ROBOTICS S.R.L., Via Mario Donati Guerrieri 16, 06132, Perugia, Italy.  
○ Type of employment: Co-Founder.  
○ Main activities and responsibilities: Management and supervision of Machine Learning projects. Development of algorithms for mobile robots.

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🌐 <https://isar.unipg.it>

February 2018 - **Co-Supervisor of Bachelor's Degree Thesis**, DEPARTMENT OF ENGINEERING, Perugia, Italy.  
Present 

- Type of employment: Co-Supervisor.
- Main activities and responsibilities: Support and supervision of thesis activities.

### Reviewer for conferences and journals

November 2020 - **Reviewer for the following conferences**, IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA), IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS).  
Present **Reviewer for the following journals**, IEEE ROBOTICS AND AUTOMATION LETTERS, ELSEVIER MEASUREMENT.

### Affiliations

February 2022 - **IEEE Robotics and Automation Society Membership**, *Graduate Student Member*.  
Present

### Publications

- 2022 **E-VAT: an Asymmetric End-to-End Approach to Visual Active Exploration and Tracking.**, *Alberto Dionigi, Alessandro Devo, Leonardo Guiducci and Gabriele Costante*, IEEE Robotics and Automation Letters (RA-L), International Conference on Robotics and Automation (ICRA), 2022.
- 2021 **Enhancing continuous control of mobile robots for end-to-end visual active tracking.**, *Alessandro Devo, Alberto Dionigi, and Gabriele Costante*, Robotics and Autonomous Systems, 2021.

### Computer Skills

Intermediate ANDROID, MACOS, TENSORFLOW  
Advanced PYTHON, JAVA, C++, ROBOT OPERATING SYSTEM (ROS), PYTORCH, MATLAB, JAVASCRIPT, HTML5, CSS, SERVLET JAVA, MYSQL, L<sup>A</sup>T<sub>E</sub>X, LINUX, MICROSOFT WINDOWS, OFFICE SUITE

### Languages

Italian **Mothertongue**  
English **Intermediate** *Fluent in speaking. Good in listening, reading and writing*  
French **Basic** *Basic words and phrases only*