

# LUDOVICA DANOVARO



**Birth Date:** 02/10/2000

**Address:** Via G. Byron 9/3 A, Genova, Italy

**Current Employer:** Master's Student in Robotics Engineering at Ecole Centrale de Nantes

Seeking a **6-month** internship  
in **Autonomous Navigation**  
(Robotics Engineering) starting  
from **February 2024**.



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## DIGITAL COMPETENCES

- Python
- MATLAB - Simulink
- C
- ROS - ROS2
- PDDL
- Linux
- Creo PTC

## LANGUAGE

- Italian: Native
- English: Advanced
- Spanish: Advanced
- French: Basic

## FORMATION

### École Centrale de Nantes

09/2023 - Ongoing

*Master Advanced Robotics EMARO 2023-2024*

Areas of Expertise: Modeling, Simulation and Control of Robotic Systems, Interaction with the Environment

**Project:** Multi-sensor control with constraints

- Objective: Control a mobile robot equipped with a camera, moving it towards the target location while maintaining a precise view
- Actions: Modify the existing control law taking into account the wheel velocity limits and the visibility constraint - Minimize the quadratic error between computed velocities and desired velocities

### Università degli Studi di Genova

09/2022 - Ongoing

*Master of Robotics Engineering EMARO+*

Areas of Expertise: Kinematic and Dynamic modeling, Dynamic control, Mechanical design

**Project:** Startup Contest at Wylab Incubator

- Objective: Process of creating a Human-Computer Interface
- Actions: Problem Identification, State of the Art, Possible Solutions, Interface creation, Pitch and Technical Presentation

### Escuela Técnica Superior de Ingeniería (Universidad de Valencia)

09/2021 - 02/2022

*Erasmus Programme 2021-2022*

Areas of Expertise: Electrical circuit knowledge, Testing systems, Digital Signal Processing

### Università degli Studi di Genova

09/2019 - 09/2022

*Bachelor of Electronic Engineering and Information Technologies*

Final grade: 110/110

Thesis: Improvement of a CPG-based controller to increase the robustness of locomotion in quadruped robots

## EXTRACURRICULAR ACTIVITIES

### JOBS

- 2015-2023: Maths and Physics Private Teacher
- 2022: Hostess of Sports Events (AON Challenger, Park Tennis Club)

### VOLUNTEER

- Summer 2017: Wales, Volunteer at Oxfam
- 2018: Tour Guide at Palazzo Reale, Genova