

Robotics and Perception Group  
Department of Informatics  
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## RESEARCH INTERESTS

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Dynamical Systems, Control Theory, Robotics.

## CURRENT POSITION

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RESEARCH ASSISTANT **Robotics and Perception Group — University of Zurich, Switzerland**  
04/2015 - Today Research Assistant at the Robotics and Perception Group (<http://rpg.ifi.uzh.ch>) under the supervision of Prof. Davide Scaramuzza.

## PAST POSITIONS

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PROJECT ASSISTANT **Swisslog — Buchs AG, Switzerland**  
11/2014 - 03/2015 Development of an autonomous manipulation system able to pick items from a chaotic bin using 2D/3D vision without relying on CAD models.

STUDENT INTERN **PRISMA Lab — University of Naples “Federico II”, Italy**  
04/2014 - 10/2014 Development and implementation of nonlinear control laws to stabilize a disk free to roll upon another controlled disk, both in simulation and on a real setup.

WEB-JOURNALIST **GruppoHTML.it — Rome, Italy**  
11/2007 - 04/2014 Over 3000 among news, tutorials, in-depth articles and reviews published at WebNews.it, Download.HTML.it and HTML.it/Linux.

## EDUCATION

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M.Sc.  
03/2015 **University of Naples “Federico II”, Italy**  
Master degree (Laurea Magistrale) in Automation Engineering, major in Robotics and Control. Thesis concerning dynamic nonprehensile manipulation in the case of a free disk rolling on an actuated disk. *Summa cum laude.*

B.Sc.  
09/2012 **University of Naples “Federico II”, Italy**  
Bachelor degree (Laurea Triennale) in Automation Engineering, Major in Dynamic Systems and Control. Thesis concerning fault detection in discrete event systems using Petri nets.

## SKILLS

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SCIENTIFIC SKILLS

- Dynamical Systems: analysis, identification, state estimation, (non)linear control
- Robotics: mobile robots, manipulators, path planning, machine vision

TECHNICAL SKILLS

- Programming: C/C++, Java, Matlab, ROS, HTML/CSS, Bash
- Operating Systems: OS X, Linux, Windows
- Simulation: Simulink, V-REP

LANGUAGES Italian (mothertongue), English (very good)