

ALESSANDRO RONCONE, Ph.D.

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Citizenship: Italian

Personal Website (with full CV): <http://alecive.github.io>

MOTIVATION

Profoundly knowledgeable and resourceful Forensic Science Technician with more than six years experience in collecting, identifying, classifying, and analyzing physical evidence related to criminal investigations; performing tests on weapons and substances, such as fiber, hair, and tissue to determine significance to investigation; testifying as expert witness on evidence or crime laboratory techniques.

SKILLS

PERSONAL AND SELF-MANAGEMENT SKILLS

- Strongly self motivated, that is able to be not only motivated by external rewards, but by an inner drive to accomplish and perform (at any level). This competence has been useful also in other fields, e.g. sport (I am a semi-professional runner, see below).
- Fast and avid learner, enthusiastic towards the development of technologically challenging projects in the robotics/Artificial Intelligence/Computer Science fields.
- Able to carry out well-executed engineering projects with an eye to clean, scalable code deployment and making things - really - work.
- Pragmatic, i.e. able to look at problems and solve them in the most logical way possible.

COMMUNICATION SKILLS

- Strong presentation capabilities (talk about my design skills)
- Talk about my writing papers skills
- Talk about something else (two dots are to be avoided)

INTERPERSONAL AND TEAMWORK SKILLS

- Able to work both independently and in team settings
- Able to value input from others even if it comes from people who are reporting to me.
- Able to understand what motivates the people I am working with, and to leverage on their strengths and weaknesses in order to optimally distribute the amount of work a complex project is composed of.
- Able to delegate: something assigned to everyone is assigned to no one.
- Supervised and trained technicians and Ph.D. students, adapting to various scientific levels and backgrounds (CHANGE THIS, it has been taken from vadim's CV as a placeholder)

TECHNICAL SKILLS

- 4.5 years research experience in the development of one of the most advanced robotic platforms out there, i.e. the iCub, a state-of-the-art, 53-DoF humanoid robot with a variety of sensors on board. Main focus in perception and control.
- Developed a wide number of software modules for various projects - some of them available at www.github.com/alecive and www.github.com/robotology).

- Extensive knowledge in C++, Matlab/R, IPOPT, OpenCV, Bash, HTML5, CSS. Long-time Linux user with deep knowledge of the Linux/UNIX OS. Experience in Windows development when needed.
- Interested in robotics, sensor data, calibration, kinematics, computer vision, tactile sensing, stereo vision, sensor fusion, machine learning.
- Some knowledge in Android development (see below).

EDUCATION

PH.D. IN LIFE AND HUMANOID TECHNOLOGIES (2012-2015)

- Thesis title: *"Expanding sensorimotor capabilities of humanoid robots through multisensory integration. A study on the implementation of peripersonal space on the iCub."*
- Description/skills developed:

MSc (WITH HONORS) IN NEUROENGINEERING (2008-2011)

- Thesis title: *"Visuo-Haptic Integration for Object Characterization in an Unstructured Environment."*
- Description/skills developed:

BSc (WITH HONORS) IN BIOMEDICAL ENGINEERING (2005-2008)

- Thesis title: *"Support Vector Machine Analysis applied to a Manipulator in a Non-Structured Environment."*
- Description/skills developed:

RELEVANT EXPERIENCE

MISC EXPERIENCE

- Organized and participated in several outreach events, ranging from engineering-related exhibitions, to live tv shows and various interviews.
- Graphic designer and freelancer in my spare time. Developer of two very well known Linux iconsets (AwOken and FlatWoken), themes for the GNOME desktop environment, and a number of websites. Commissioned with various design projects from a number of companies. Design is problem solving, no different from engineering.
- Developer of the FlatWoken Android apps (available on the Play Store)
- Semi-professional runner (marathons and half-marathons, preferable 10k races, occasionally trial running).
- Language: Italian (native speaker), English (fluent written and oral skills).
- Captain of a local waterpolo team during high school. Noteworthy achievement (considering that I am definitely not the ideal fit for the role), mainly due to my teamwork skills.

SELECTED PUBLICATIONS
