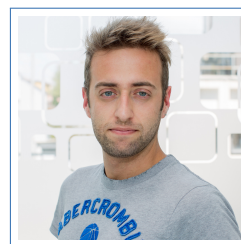


# Nicolò Genesio

## Curriculum Vitae

Via San Dalmazzo 10  
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✉ [nicogene@hotmail.it](mailto:nicogene@hotmail.it)



### Info

Birth	15/07/1991 (Finale Ligure)	Driving License	B
Citizenship	Italian		
LinkedIn	<a href="https://it.linkedin.com/in/nicogene">it.linkedin.com/in/nicogene</a>		
Skype	live:nicogene		
GitHub	<a href="https://github.com/Nicogene">https://github.com/Nicogene</a>		
Personal Site	<a href="https://nicogene.github.io/">https://nicogene.github.io/</a>		

### Desidered employment

#### Robotics/Software engineer

In these years I gained good experience in computer vision, robotics, GUI design and communication protocols. Programming and software design became a passion, mainly oriented to robotics; I have moreover a great interest in technology, above all when applied for improving the life of human beings. My main and favourite programming language is the C++ but I have also familiarity with Java and Matlab. In my work experience I have been able to demonstrate good teamwork skills and capability to collaborate with other people. Another characteristic I have is that I am not scared of working hard to reach my goals.

### Skills

#### Informatics

Languages **Good knowledge:** C, C++, Latex. **Intermediate knowledge:** Java, JSP, Matlab, VB. **Basic knowledge:** Lua, NI LabView, SQL, HTML.

Platforms Linux, Windows, macOS.

Tools Qt creator, ZeroBrane Studio, wxWidgets, VS2010-12, Clion IDE, Eclipse J2EE, Oracle DB, Apache Tomcat, CVS, OpenCV, PCL, g2o, YARP, CGAL, Git, Office suite, Matlab, NI LabView, CMake.

#### Engineering

Topics **Good knowledge:** computer vision, robotics.

**Intermediate knowledge:** machine learning, software design, web application development, human computer interaction.

**Basic knowledge:** Electrotechnology, bioinformatics, mathematics, physics, biomedical instrumentation, chemistry and biochemistry.

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## Experience

### Work

- from 10/2016 to present **Junior Technician @ iCub Facility**, *Istituto Italiano di Tecnologia*, Genova, Italy.  
I participated to the development and the maintainance of [YARP](#), becoming one of the YARP top [contributors](#). Moreover I dealt with the FSM design using [rFSM](#), and I implemented a set of tools for FSM debugging ([rfsmTools](#)). Finally I contributed to several repositories such as [icub-main](#) and [RTF](#), dealing with bug fixing and various enhancements. During this experience I acquired good familiarity with GUI design, communication protocols and distributed systems.
- from 2/12/2017 to 3/12/2017 **Mentor @ Easy Peasy Robotics**, *Maker Faire*, Rome, Italy.  
Easy Peasy Robotics is a 2-days crash course is to provide participants with a brief overview of the research problems and applications related to humanoid robot programming, from perception to control. I held the role of mentor for the "YARP" part of the course.
- from 02/2016 to 09/2016 **Support Technician @ iCub Facility**, *Istituto Italiano di Tecnologia*, Genova, Italy.  
I worked on the humanoid robot iCub, in particular I dealt with the design of the C++ module ([Robust-View-Graph-SLAM](#)) that computes the 3D map of the scene using the images acquired from the eyes(cameras).

### Academic

- from 04/2015 to 10/2015 **Internship @ iCub Facility**, *Istituto Italiano di Tecnologia*, Genova, Italy.  
In IIT I had a good experience of working in a multi-disciplinary and international team. In particular I worked on my Master thesis project supervised by Prof. Lorenzo Natale and Prof. Fabio Solari. My goal was to build a system able to classify the scene based on the traversability of each region. This kind of analysis was conducted processing through PCL(Point Cloud Library) the 3D data acquired by the structured light depth sensor ASUS Xtion Pro Live.
- from 03/2013 to 10/2013 **Internship @ PSPC lab**, *Università degli studi di Genova*, Genova, Italy.  
I worked in the PSPC lab under the supervision of Prof. Fabio Solari for my bachelor thesis project. This project consisted on creating a *gaze-tracker* C++ program, using OpenCV and a regular web camera.

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## Education

- from 11/2015 to 01/2016 **Java Programming Course**, *Azienda Sicura srl*, Milano, Italy.  
I participated to the Java Programming Course funded by [Formatemp](#). During this course I learnt how to build java and web applications. I experienced in using some tools as Eclipse J2EE, Apache Tomcat and Oracle DB.
- from 10/2013 to 10/2015 **Master Degree in Bioengineering**, *Università degli studi di Genova*, Genova, Italy.  
*Curriculum Neuroengineering and Bio-ICT*, 110/110 cum laude.
- from 09/2010 to 10/2013 **Bachelor Degree in Biomedical Engineering**, *Università degli studi di Genova*, Genova, Italy.  
108/110.
- from 2006 to 2010 **Diploma Liceo Scientifico**, *Liceo scientifico A.Issel*, Finale Ligure, Italy.  
100/100 cum laude.

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## Languages

Self-assessment European level [CEFR](#) (C2 maximum evaluation)

		Understanding		Speaking		Writing
		Listening	Reading	Interaction	Production	
Italian	Mother tongue	C2	C2	C2	C2	C2
English	Intermediate	B2	B2	B2	B2	B2
French	Basic	B1	B1	B1	B1	B1

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## Certificates

- from 05/2013 to 05/2015 **CLAD - NI Certified LabVIEW Associate Developer**, *National Instruments*, *Licenza 100-313-2906*.
- 05/2007 **Preliminary English Test(PET)**, *University of Cambridge*, *Licenza 100/2031/7*.
- 05/2008 **B1 DELF - Diplôme D'Études En Langue Française**.