



# Francesco Taurone

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## *Curriculum Vitae*

### General information

**Born** in Bologna, 20 December 1994;

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### Abstract

BSc in Automation Engineering, double degree with University of Bologna and Tongji University in Shanghai;

MSc student in Automation Engineering at University of Bologna (expected graduation in July 2019);

Alumnus of School of Excellence "Collegio Superiore" at University of Bologna;

PhD Candidate, interested in multi-robots, controls and computer vision.

### Education

2005–2008 **Secondary school of I level**, *Bologna*.

Grade: *excellent*.

2008–2013 **Scientific diploma**, *Liceo A.B. Sabin, Bologna*.

Grade: *100/100*.

o Thesis: "The future today: quantum teleportation".

Sept 2013 **University admission test for engineering curriculum**, *Alma Mater Studiorum, Bologna*.

Ranked 10<sup>th</sup> in Bologna, 4<sup>th</sup> for automation.

Sept 2014 **Academic year spent in Tongji University “同济大学”, Shanghai, China**.

July 2015 For double bachelor degree program in Automation engineering.

o 1<sup>st</sup> out of 12 for the admission to the program.

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- Sept 2016 **Additional semester spent in Tongji University “同济大学”, Shanghai, China.**
- Feb 2017 For internship and thesis discussion with the Chinese commission
- 2013–2017 **Double bachelor degree in "Automation Engineering" (taught in English), Bologna/Shanghai.**
- o Italian degree: July 2016, 110/110 cum laude;
  - o Chinese degree: January 2017, 110/110 cum laude.
- Thesis: Design of an AC inductor for phase shifted zero voltage switching converter.
- Sept 2017 **Master degree in "Automation Engineering", international curriculum, Alma**  
ongoing *Mater Studiorum, Bologna.*  
Master degree taught in English.
- Sept 2017 **Alumnus of "Collegio Superiore" , Alma Mater Studiorum, Bologna.**  
ongoing School of Excellence in University of Bologna, part of the Institute for Advanced Studies (ISA).

## Work experiences

- Feb 2012 **Cultural exchange** between Italy and Holland, 2 weeks spent in Holland with Dutch families.
- July 2013 **"From School to Job" project** (Organized by A.B.Sabin high school), *Bologna.*  
1 month internship in ARPA Emilia Romagna as data analyst.
- 2016 / 2018 **300 hours as part-time job for the University, Bologna.** Reception activities and library assistant.
- Sept 2016 **Internship, with Ilum China 意路姆, Shanghai.**
- Feb 2017 Company involved in the design, installation e management of photovoltaic power plants in China.
- Feb 2017 **Internship, at Datalogic, Monte San Pietro, Bologna.**
- July 2017 Development of the manual for a new laser scanner, support to tests and management of the product.
- July 2017 **Summer job, Höljes, Sweden.**  
1 month as volunteer farm worker for a local family, woods maintenance and animals daily care (through HelpX web page).
- Feb 2018 **Computer Vision project, at T3Lab, Bologna.**  
Face Recognition project based on Deep Learning for safety purposes.
- Sept 2018 **Open Innovation Program, CBI project, at CERN & Almacube, Geneva and**  
Feb 2019 *Bologna.*  
Collaboration between University of Bologna and CERN researchers for the development of innovative solutions to daily problems. Team: "Housing for old people"
- o 3 weeks at CERN
  - o Seminars and weekly courses in Design Thinking
  - o Collaborations with 15 companies interested in the project
  - o Creation of "Magna", a meal sharing platform for elders and university students

## ■ Languages

<b>Italian</b>	Mother tongue	
<b>English</b>	Advanced	<i>IELTS 7.5 (2016), level C1</i>
<b>Chinese</b>	Good	<i>HSK4 certificate (B2 equivalent).</i>
<b>German</b>	Basic	<i>A1+ course ongoing.</i>

## ■ Awards and recommendations

- 2013 **Recommended for "Collegio Superiore"** Bologna, by A.B. Sabin high school.
- 2014 **"Youth Merit Award" by Rotary Club in Bologna**, for scholastic proficiency.
- 2016 **Excellence scholarship**, University of Bologna, based on academic results.
- 2018-2019 **"Collegio Superiore" scholarship**, Università di Bologna

## ■ Extracurricular activities and interests

- 2012 **International Masterclasses 2012**, INFN in Bologna (National institute for nuclear physics). Title: "Quark and leptons realm with real data."
- 2013 **"Robot @mico": Introductory robotics course**, Comune di Bologna, held by automation engineering students.
- 2017-2019 **Courses and Seminars with "Collegio Superiore"**, Bologna. Parallel interdisciplinary study plan for the obtainment of the "Collegio Superiore" license. It includes lectures from visiting professors and evening courses.
- Guitar** With teaching activities for children from 7 to 17 years old.
- Ultimate Frisbee** Italian and European tournaments.
- Scout** Agesci, today chief scout for the Bologna17 group
- Entertainer** For birthday parties from 6 to 12 years old and summer camps.
- Audio book recording** "Spoon River anthology" by Edgar Lee Masters, in collaboration with A.B.Sabin high school.

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