

# SIMONE FOTI Curriculum Vitae

## EDUCATION

---

### Master of Science Degree in Biomedical Engineering

University: Politecnico di Milano (Italy)  
Period of Studies: 2015-2017  
Official Languages: English and Italian  
Final Degree Mark: 109/110  
Thesis: "Vessel avoidance in open skull robotic neurosurgery through deep learning and virtual fixtures"  
Mentors: Elena De Momi PhD, Dott. Ing. Sara Moccia, Prof. Cameron Riviere



### Bachelor Degree in Information and Communication Technologies

University: Università degli Studi di Trieste (Italy)  
Period of Studies: 2012-2015  
Official Language: Italian  
Final Degree Mark: 102/110  
Thesis: "Implementation of a web remote control for the automation of Cells Stretcher"  
Mentors: Prof. Davanzo Giorgio, Prof. Sbaizero Orfeo



### Scientific High School Diploma

High School: Liceo Scientifico Guglielmo Oberdan  
Period of Studies: 2007-2012  
Official Language: Italian

## OTHER EDUCATIONAL EXPERIENCES

---

### Master Thesis (2017)

University: Carnegie Mellon University (USA)  
Duration: 6 months  
Official Language: English



### Workshop on Artificial Intelligence (2014)

University: Linköping University (Sweden)  
Duration: 10 days  
Official Language: English



### Basic Quantum Physics Course (2012)

Research Organization: CERN (Switzerland)  
Duration: 5 days  
Official Language: Italian



## PERSONAL SKILLS

---

### Languages Skills

Italian: native language  
English: TOEFL iBT results

Date	Reading	Listening	Speaking	Writing	Total
Aug 1 <sup>st</sup> 2015	19	25	22	17	83

### Programming Languages

C++ (I use Bazel as build system and I respect the Google style guide), Matlab, Html, Css, JavaScript (and jQuery) and LaTeX. I also have a basic knowledge of Python, Java, C.

### Softwares and IDEs

I am familiar with the Caffe Deep Learning Framework, OpenCV, Arduino, Processing, Microsoft Office suite, Atom, Adobe suite (Photoshop, InDesign, Illustrator, After Effects) and 3DS Max. I have also used Visual Studio, Gazebo, Schematics, Atmel, Wireshark, Autocad.

## EXTRACURRICULAR EXPERIENCES

---

**Sailing Instructor:** FIV certification obtained in 2014



ADDRESS:  
St. del Friuli 109,  
34136, Trieste, ITALY

E-MAIL:  
simofoti@gmail.com

MOBILE PHONE:  
+39 340 1711300

BIRTHDATE:  
October 6<sup>th</sup> 1993

HOMETOWN:  
Trieste (TS), Italy

NATIONALITY:  
Italian

ENGINEERING INTERESTS:  
Robotics  
Biomedical Robotics  
Artificial Intelligence  
Neural Networks  
Machine Learning  
Image Processing

OTHER INTERESTS:  
Sailing  
Snowboarding  
Kitesurfing  
Graphic  
Cooking