

# Chiara Relandini

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**Nationality** Italian  
**Birthdate** October 26, 1996



## EDUCATION

- Sept 2018 - now Master Degree in Computer Engineering (Artificial Intelligence)  
Politecnico di Milano - Milano, Italy
- Sept 2015 - July 2018 Bachelor Degree in Computer Engineering (in the Young Talents program, lessons and exams in English)  
Politecnico di Torino - Torino, Italy  
Final grade 110L/110
- Sept 2010 - July 2015 High School Diploma - MATURITÀ SCIENTIFICA  
Liceo John Fitzgerald Kennedy - Roma, Italy  
Final grade 100/100

## INTERNATIONAL EXPERIENCE

- Sept 2017 - Jan 2018 Young Talents program at Politecnico di Torino, international exchange  
UPM - Universidad Politécnica de Madrid - Madrid, Spain
- Sept 2016 Spanish language course  
AIP - Valencia, Spain
- July 2014 English language course - TOEFL Preparation  
ELC - Santa Barbara, CA, United States
- Sept 2013 - Dec 2013 International exchange semester with Educatius  
Nauset Regional High School - Eastham, MA, United States

## LANGUAGE SKILLS

- Native Language Italian
- Other languages English: C1 (CAE: Certificate of Advanced English, Cambridge)  
Spanish: C1 (DELE C1)

## IT SKILLS

- Programming Languages C, Java, Python, php, HTML, SQL
- Hardware Languages VHDL

• Databases	MySql
• Middleware	Apache, Active MQ
• Unit testing	Junit
• IDE, SCM	Eclipse, GitHub, Android Studio, PyCharm
• 3D printing	SketchUp
• Numeric calculus	Matlab

## ACADEMIC PROJECTS

**SELF DRIVING CAR** - The Batcar is a project for the Computer Architecture Course at Politecnico di Torino, whose main purpose is to develop a self driving car model. It consists in programming a FPGA board (field-programmable gate array, a Xilinx - Nexys4), designing and 3D-printing the frame of the car. <https://github.com/chiararelandini/Batcar>

**CHAT APPLICATIONS** - Two Java projects developed on Eclipse and GitLab which allow sending messages among several client applications, supervised by the chat server. The first one exploits the messaging broker Apache ActiveMQ and is based on JMS Topic Architecture, whereas the second one is based on Remote Method Invocation (RMI) and callback mechanisms. Data persistence and actualization is kept by the JDBC connection with a MariaDB database.

**Java-Script LANGUAGE PROCESSOR** - A project for UPM, working as a language processor for Java-Script. Developed through the tools: flex, to produce the lexical analyzer, and bison, to produce the syntactic and semantic analyzers.

**Ambient Intelligence** - HouseOnFire is a Python based project for Politecnico di Torino, whose purpose is to manage all aspects of an house party, such as music, lights and noise threshold. Its most innovative feature is to track guests' movement in the house through an Android mobile application able to scan Estimote Bluetooth Beacons. <https://ami-2018.github.io/HouseOnFire/>

## PERSONAL SKILLS AND INTERESTS

- During my 11 years long Scout experience I've learned both team-working and leadership. I was trained to get by with my group by working together. I learned to lead my team and how to guide and take care of younger members. I also participated in volunteering projects to help disadvantaged people.
- I've played tennis at competitive level for 6 years. Matches in official competitions made me learn how to amiably solve arguments, firmly supporting my own point of view. They also made me understand what struggling for a goal means, going beyond your limits, and how satisfying it is to reach your targets by working hard with your own strengths.
- I play piano and practice sports: tennis, windsurf, kitesurf, beach volley, running, skiing.
- I like traveling to see the world and how other peoples live. I like taking pictures and editing video.

## OTHER INFORMATION

- Driving license, own car
- Available to travel on business in Italy, abroad