

# Francesco Lanza

COMPUTER SCIENCE ENGINEER

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“Fail to plan and you plan to fail”

## Education

### UNIPA (University of Palermo)

Palermo, Italy

MASTER'S DEGREE IN COMPUTER SCIENCE ENGINEERING

Oct. 2014 - Mar. 2017

- *Thesis in Artificial Intelligence* - RICONOSCIMENTO DI GESTI PER IL MIGLIORAMENTO DELLA USER EXPERIENCE IN UNO SCENARIO DI AMBIENT INTELLIGENCE.
- Vote: *Summa cum Laude* (110/110 L)

### UNIPA (University of Palermo)

Palermo, Italy

DEGREE IN COMPUTER SCIENCE AND TELECOMMUNICATION ENGINEERING

Sept. 2010 - Mar. 2014

- *Thesis in Robotics* - UN SISTEMA EMPATICO PER L'INTERAZIONE SOCIALE TRA ROBOT UMANOIDE E BAMBINO AUTISTICO.
- Vote: 94/110

### ITIS (I.T.I.S. E. Torricelli)

Sant'Agata di Militello, Messina, Italy

DIPLOMA IN COMPUTER SCIENCE

Sept. 2004 - Aug. 2010

- 5 years Diploma in Computer Science.
- Vote: 100/100.

## Skills

<b>Operating Systems</b>	Windows, Linux, macOS, BSD & *nix Family
<b>Programming</b>	C/C++, Java, Python, LaTeX, SQL, MATLAB, Bash, AutoIT, Visual Basic, Swift
<b>Mobile Programming</b>	Android, iOS
<b>Frameworks</b>	OpenCV, OpenNI
<b>Functional Programming</b>	LISP
<b>Embedded System Programming</b>	LabView, Arduino, Lua, Assembly, FORTH
<b>Web</b>	HTML, CSS, PHP, JSP, JavaScript, JQuery, Node.JS
<b>Languages</b>	Italian, English
<b>Certificate</b>	ECDL, Trinity B2 CEFR

## Soft Skills

<b>Autonomy</b>	10
<b>Self-confidence</b>	10
<b>Flexibility/Adaptability</b>	10
<b>Resistance</b>	10
<b>Ability to plan/organize</b>	10
<b>Accuracy/Attention to details</b>	10
<b>Learning on an ongoing basis</b>	10
<b>Achieve Objectives</b>	10
<b>Manage Information</b>	9
<b>Be resourceful/Initiative</b>	10
<b>Communicative Skills</b>	9
<b>Problem Solving</b>	10
<b>Teamwork</b>	9
<b>Leadership</b>	10

## Experience

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### I.I.S. Verona Trento

Messina, Italy

COMPUTER SCIENCE TEACHER

Feb. 2015

- Substitution in school of two weeks like teacher of computer science laboratory
- Coordination of Laboratory Projects for students

### T.M.R. s.r.l.

Sant'Agata di Militello, Messina, Italy

SOFTWARE ENGINEER

Jul. 2015 – Sept. 2015

- Development of Provisional Production Algorithm for Energy Software.
- Development of Provisional Consumption Algorithm for Energy Software.
- Development of IoT Application to retrieve data from a WSN Network.

### I.T.I.S Evangelista Torricelli

Messina, Italy

COMPUTER SCIENCE TEACHER

Jan. 2016 – Jun. 2016

- Substitution in school of two weeks like teacher of computer science laboratory
- Coordination of Laboratory Projects for students

### T.M.R. s.r.l.

Sant'Agata di Militello, Messina, Italy

SOFTWARE ENGINEER

Aug. 2016

- Development of a Framework to manage ESP8266 Module WiFi for IoT Applications.

## Projects

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### UNIPA – Project for Subject

Palermo, Italy

SOFTWARE ENGINEER

Jun. 2014

- Development of filter to correct distortion in a raw photo acquired by camera sensor.

### UNIPA – Project for Subject

Palermo, Italy

SOFTWARE ENGINEER & WEB ARCHITECT

Jul. 2014

- Reverse Engineering of File Sharing Web App with Social part.

### Gruppo Becan

Milano, Italy

WEB ARCHITECT

Aug. 2014

- Development of Web Site for Gruppo Becan Company.

### Gruppo Becan

Milano, Italy

SOFTWARE ENGINEER

Mar. 2015

- Development of Web App to manage Internal Client Contacts.

### TMR s.r.l.

Sant'Agata di Militello, Messina, Italy

SOFTWARE ENGINEER

Jul. 2015

- Development of Prediction System of Energy Revenues and Energy Consumption.

### UNIPA – Project for Subject

Palermo, Italy

SOFTWARE ENGINEER

Sept. 2015

- Development of a Parser in Flex & Bison for a Visual Lexeme Language.

### UNIPA – Project for Subject

Palermo, Italy

PROJECT MANAGER & SOFTWARE ENGINEER & WEB ARCHITECT

Jan. 2016

- Development of Star Wars WebGL Scene.

### **UNIPA – Project for Subject**

PROJECT MANAGER & SOFTWARE ENGINEER

- Development of an Intelligence Robot for a Department's Soccer Tournament.

*Palermo, Italy*

*Jul. 2016*

### **UNIPA – Project for Subject**

SOFTWARE ENGINEER

- Development of Artificial Intelligence System to Recognize Hand Gestures.

*Palermo, Italy*

*Sept. 2016*

### **UNIPA – Project for Thesis**

SOFTWARE ENGINEER

- Development of a Human-Machine Interaction System to improve the User Experience in an Ambient Intelligence Scenario.

*Palermo, Italy*

*Oct. 2016*

## **Presentation**

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### **1th Maker Meeting**

PRESENTER FOR <GOOGLE MAKER DEV LABS> @ GDG NEBRODI

- Introducing Ubuntu Linux and Applications.

*Sant'Agata di Militello, Messina, Italy*

*April. 2015*

## **Driving Licenses**

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- License B