# Curriculum vitae

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### OBJECTIVE
Hardworking and enthusiastic developer seeking a challenging place,
where my creativity, resourcefulness and ability to learn and gain an abundance
of knowledge on my own can make a positive difference.

## Education

**Bachelor' s degree in Computer Science**, University of Salerno, Italy, 2009.
**Dissertation**: " Design, implementation and testing of secure authentication protocols
for RFID technology".
**Final Mark**:  110/110 cum laude.

Presently, **I am completing my Master's degree in Computer Science,** University of Salerno,
**Dissertation**: "UniSaSA: University of Salerno Sensor and Actuator ";
(used for Augmented reality, Ambient intelligence Virtual reality and IoT).

## Internship (Erasmus Traineeship)

**ServiceNow – The Enterprise Cloud Company**, March 2016 – September 2016, Egham UK.
Position: Training Team, System Administrator and Application Developer.
Tecnologies: ServiceNow Platform, html, css, javascript, AngularJS, Jelly, WebServices and
REST API.
**Courses**:          ServiceNow - System Administration
                      ServiceNow - Scripting
                      ServiceNow - Foundations eLearning
                      ServiceNow - Performance Analytics for Managers and Viewers

**Certifications**:   ServiceNow Certified System Administrator
                      ServiceNow Certified Application Developer
                      -in a short time- ServiceNow Implementation Specialist

## International Open Source team

**Debian Contributor http://wiki.debian.org/AlfonsoSabatoSiciliano,**
built, maintained, co-maintained and adopted .deb packages.
To build: **dh**, **vim**, **shell script** in **rules file**, **GNU make** and **fontconfig; t**o check: **lintian**;
to sign: **OpenGPG** RSA  key; To upload on debian repositories: **git**, **SVN** and **SSH**.
Collaborations with debian developers:
co-maintained package http://goo.gl/Ew7PTw,
package' s sponsorship https://tracker.debian.org/news/497012 .

## Projects *(http://alfix.gitlab.io/projects/)*

- "**Danger U-Boot**": 3D game  sites.google.com/site/dangeruboot,
  written in **C++**, using **vim, g++**, **gdb**, **cmake**, **OGRE** and **OpenGL.**

- **Web sites:**
    - www.nutrizionistaorefice.it (nutritionist site).
    - www.parrmugnano.altervista.org (social activity)
      used: jekyll, joomla, drupal, html, css, php, javascript and markdown.

- **"ViscianoPiu":** Android App, it is inside Google Play.
    Local news, social and ipcam streaming

- **"UniSaSA":** *University of Salerno Sensor Actuator*
   The purpose of UniSaSA is to use high-level languages to interact quickly, easily and in
  distributed way with sensors and actuators. A developer could use 'UniSaSA' for:
      **Augmented reality**, **Ambient intelligence**, **Virtual Reality and Internet of Things**.
  The project provides:
  A portable **C** library for **embedded systems**,
  A **Gateway/Router** between embedded devices and **TCP/IP**
  A high-level API: currently in **C#**, **C++** and **Python**  to communicate with the gateway.
  A **web server** to interact with sensors and actuators from a Browser

- **"Holiday Heaven"**:  Hotel management distributed software intended for owners,
  customers and a system administrator, for Software Engineering course. **Java**, **Eclipse,**
  **Model-Control-View** architecture, **MySQL**, **JDBC**, **JUnit**, **java RMI** and **javax.swing**.

- "**Compiler creation**"
  Implementation in **Java** of  a compiler: lexer, parser and semantic analyzer
  for  'cool' language.

- "**Multiprocessor Programming**": implementation of parallel version of QuickSort
  algorithm (requirement: `processors load` perfectly balanced).
  Software: **C**, **OpenMPI**  and **OpenMP**.
  Hardware: 3 PCs connected by an Ethernet/Wifi network with a sum of 8 cores.

- "**Cryptographic protocols**": secure authentication for RFID technology,  HB,
  HB parallel version, HB+, HB+ parallel version, random HB# Gossamer protocol.
  Written in **C**, using **gcc**, **vim**,  **gdb, linux fork()** and **POSIX IPC**.

## Language Skills

**Italian**         Mother tongue
**English**     2 weeks English course Sparsholt College, Winchester, Hampshire UK, 2000
            2 weeks English course Goldsmiths, University of London, UK, 2003
            Totally I lived 9 months in the United Kingdom.

## Hobby

My hobbies are mainly social activities, I am particularly interested in social equality.
I've also worked with the "Progetto Policoro" www.progettopolicoro.it, It's an organization
in which we seek to introduce young unemployed individuals into the labor market.
Finally, I like outdoor activities hiking, climbing and camping.