



# Flavio Toffalini

## Curriculum Vitae

### Education

- Sept 2012 **Master degree in Computer Science and Engineering**, *University of Verona*.  
Oct 2015 108/110, GPA 3,9/4
- Dec 2009 **Bachelor's degree in Computer Engineer**, *University of Pavia*.  
101/110, GPA 3,67/4

### Work experience

- Dec 2015 **Java Developer and Researcher**, JULIA S.R.L. ([www.juliasoft.com](http://www.juliasoft.com)), Verona.  
Static analysis of Android applications
- Detailed achievements:
- Static analysis over Java/Android applications
  - Java Developer
- Jan 2014 **Software Analyst and Developer of Web Application for marketing analysis**, OPEN  
April 2015 SERVICE S.R.L. ([www.openservicevr.com](http://www.openservicevr.com)), Sommacampagna (VR).  
Software Analyst and Developer of Web Application for marketing analysis
- Detailed achievements:
- Developer Web Application and Restful Service with in PHP (Zend Framework)
  - Analyst and Developer MySql Database
  - Configure and integration AWS Service like SES in PHP Web Application
  - Configure LAMP System and Apache Server
- Jan 2010 **Software Analyst and Developer of Web Application, Shipment and Logistic Software**, PROJECT-SOFTWARE S.A.S. ([www.project-software.it](http://www.project-software.it)), Villafranca di Verona.  
Dec 2013 Software Analyst and Developer of Web Application, Shipment and Logistic Software
- Detailed achievements:
- Developer Web Application and SOAP Service in ASP.NET
  - Analysis and Develop MSSql Database
  - Configure LAMP System and Apache Server
  - Developer web-site with Joomla and Wordpress

### Publication

- 2016 **Google Dorks: Analysis, Creation, and new Defenses**, *Detection of Intrusions and Malware, and Vulnerability Assessment - 13th International Conference, (DIMVA) 2016*, Toffalini F, Abba' M., Carra D. and Balzarotti D..

- 2010 **REnvDB, a RESTful Database for Pervasive Environmental Wireless Sensor Networks**, *Distributed Computing Systems Workshops (ICDCSW)*, 2010 IEEE, De Stefani F., Gamba P., Goldoni E., Savioli A., Silvestri D., and Toffalini F..

## Additional professional experience

- Apr 2015 **Visiting fellow**, EURECOM ([www.eurecom.fr](http://www.eurecom.fr)), Sophia-Antipolis, France.  
Jul 2015 Topic: Google Dorks, design and development of innovative defence system. This work will serve as a basis for my Master thesis  
Supervisor: Dott. Davide Balzarotti  
May 2015 **Hackaton Competition**, GREENHACKATON, Biot, France.  
Topic: Open-Data and Ecologic thematic. Our team was awarded with two Startup Summer School bonuses.  
Dec 2014 **Coder-Dojo**, Verona, Italy.  
Feb 2015 Participated in the Coder-Dojo group from Verona ([www.coderdojovr.it](http://www.coderdojovr.it)) under the supervision of Prof. Alberto Montresor  
Oct 2013 **Carta Giovani**, Villafranca di Verona.  
Jan 2014 Carta Giovani is an association proposing educational activities to young people. Within Carta Giovani I have delivered a course on Basic Android Development of the duration of 10 lessons (2 hours each)  
Oct 2014 **Event-Lab**, Verona.  
Jan 2015 Event-Lab is a company that organizes on-demand courses and events. In collaboration with Event-Lab, I have delivered a course on Basic Android Development of the duration of 10 lessons (2 hours each)

## Technical skills

- Advanced Linux, Microsoft Windows, Mac Machines, Server and Desktop  
Advanced Program language: Java, C++, C, Python  
Advanced JavaScript, PHP, CSS3, HTML5  
Advanced IDE like NetBeans, Eclipse, AndroidStudio, VisualStudio  
Advanced Framework PHP like Zend and Yii  
Advanced DMBS like MySQL, MSSQL, SQLite  
Intermediate LLVM, KLEE, IDA Pro  
Intermediate Android System, Parse, MongoDB, MapReduce and GoogleAPI

## Oral presentations

- Oct 2012 High School C.Anti, Verona, Linux Day event "Creating apps with Android"  
Oct 2012 High School C.Anti, Verona, Linux Day event "Introduction to Arduino"  
Oct 2011 High School C.Anti, Verona, Linux Day event "Cloud computing: DropBox VS SparkleShare"

## Languages

- Italian **Mother tongue**  
English **IELTS overall band score 6.0 (level B2)** *Con conversationally fluent*

## Interests

- CTF and challenge
- Martial Arts
- Trekking