

# Francesco Miscia

Engineer in Computer Science



## Date of Birth

23th February 1990

## Contact

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## Languages

Italian  
English

## Interests

*Professional:*

development, design, mobile,  
network, machine-learning,  
web technologies

*Personal:*

sport, mountain, traveling,  
cooking

## Education

2012–2015 **Master** in Computer Science Engineering [110/110CL]

Università degli studi di L'Aquila, Italy

*Development of an IDE for the multi-mode component based software engineering framework*

2013

**Cisco** Network Fundamental certification, L'Aquila

Cisco CCNA Exploration

*Basic networking acknowledgment*

2009 – 2012 **Bachelor** in Computer Science Engineering [110/110CL]

Università degli studi di L'Aquila, Italy

*Mobile Ad-Hoc Networks in emergency context*

2004 – 2009 **Diploma** of High School

Liceo Scientifico Alessandro Volta, Francavilla al Mare (CH), Italy

## Experience

03/15 - Present **CyberDyne srl - Pescara, Italy** [www.cyberdyne.it](http://www.cyberdyne.it)

Software Engineer - R&D Full-Stack

*Design and development of Kimeme. A multi-objective and multi-disciplinary optimization CAE software*

Main Responsibilities: Response surface mechanisms section, Network calculus distribution, HPC cloud integration

Technical fields:

- Java 8
- Eclipse RCP framework
- SWT
- Multithreading
- Response Surface Algorithms
- Design of Experiment Algorithms
- Distributed calculus
- Network programming (socket based)
- HPC cloud systems (PBS Torque)
- Pair Programming
- Git

09/14 - 02/15 **Mälardalen University, Västerås, Sweden**

Master Thesis Project - Software Developer

*MCORE: an IDE for multi-mode component design*

Technical fields:

- Javascript
- Backbone
- JointJS
- RequireJS
- Grunt
- Bower
- HTML5
- CSS
- BDD
- Git

- 08/2013 - 09/2013 **Consel - Consorzio Elis, Roma (Italy)**  
"School of Future Leader" boot camp student  
*Boot camp about leadership behaviour*
- 03/2012 - 06/2012 **Udanet.eu - Chieti, Italy**  
Software developer  
*Android application development*  
Technical fields:
  - *Android SDK*
  - *Sqlite*
  - *Git*
- 2009 - 2010 **WLF Publishing S.r.l - Hacker Journal**  
Freelance columnist  
*Computer security articles (numbers 191,192,194)*

## awards

- 03/2014 **Startup Weekend, Pescara (Italy)**  
*2nd classified at the Startup Weekend Pescara*
- 05/2013 **Università degli studi dell'Aquila/AUH**  
*3rd classified at the Android University Hackathon*

## Job-related skills

Dev            **Java, Javascript, PHP, C++, HTML5/CSS, Eclipse RCP**  
O.S.           **Linux, Mac, Windows, Android, iOS**  
Versioning **Git, SVN**

## About Me

Since I was at the high school I've been fascinated from C++ and low level programming. By exploiting a C++ based framework, I developed a 3d-multiplayer first-person shooter. This first experience increased my passion and skills. In that period I developed a keen interest in system security, so I was used to help administrators by catching and solving bugs. During the first years of university I have been concerned on web and mobile development. I've been 3rd classified at the Android University Hackaton in L'Aquila: we had 24 hours to develop an Android Application about "open-data and social participation". As a side effect of the Android development, I increased my Java skills. Team working is my thing, and Git is my favourite versioning system. Software engineering, mobile development and network systems are the three subjects I studied more in depth during my master's degree. I attended courses about wireless and mobile communication learning a lot about 2G, 3G and 4G technologies. Fascinated about Startup, I'm now working as a software engineer for CyberDyne, a very young company which deal with multidisciplinary and multiobjective optimization. I wish so much to increase my knowledge about technology and software design, and I'm always looking for something new to try. It's passion, not work.