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# Francesco Mattia

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## Profile

Francesco Mattia did achieve a Bachelor's degree in Telecommunication Engineering and a Master's degree in Computer Engineering, with a strong interest for networking-related subjects. During his studies he developed programming skills as well as software engineering skills.

He moved to Amsterdam to work for a dutch startup company while gathering experience about startups, as well as agile and lean methodologies. He is now freelancing full-time as an iOS engineer, based in Amsterdam, active in the startup scene and in the developer communities.

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## Work Experience

- Apr 2012 - **iOS Engineer, Freelance.**  
Current Worked on a different number of projects for customers. Ranging from full development and design of apps to fixes on apps or backend code.
- May 2012 - **iOS Engineer, Dutch Applications BV.**  
Current Working as a freelance on two different iOS apps for clients in the medical field. Working closely with Android team and design team, dealing with customized user interface and client/server data synchronization.
- May 2011 - Mar 2012 **Lead iOS Engineer, Fitmo BV.**  
Worked as iOS engineer for Fitmo startup company. Developed the app from scratch, including delivery to the app store, maintenance and further improvements. Wrote backend Ruby on Rails code for APIs. Worked on a second version of the app based on HTML5 with offline logic/caching, based on JQuery mobile.
- Nov - Dec 2011 **iOS Engineer, AppAgents.**  
Worked as a freelance on an iOS app (Sony Music App, for internal use).
- Jun 2010 - Aug 2010 **Software Engineer, Università degli Studi di Padova.**  
Involved in Fandango/Synapse Project at Department of Information Engineering. Developed a plugin for the framework that manages the wireless sensors network.
- 2008 **Developer, Onize.it.**  
Created from scratch a Ruby on Rails webapp to organize events with friends. Integrated solutions like maps, SMS sending/receiving, e-mail sending. Developed business plan.
- 2007 **Web developer, Cinerelax.it.**  
Built the website for a rental shop. Developed design / frontend / backend with HTML/CSS/Ruby on Rails/MySQL technologies. Built shopping cart and management side to sell items on the website.

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## Other experiences / Awards

- July 2011 - **Appsterdam, Member of the developers community.**  
Current Attended a number of workshops and other events, recently helping organizing workshops.

- July 2012 **Startup Weekend, Amsterdam**, *Member of the organizing team*.  
Helped organizing the event, spoke at developer meetups to gather more attendees. Arranged venues for pre-event workshops.
- April 2012 **TheNextWeb Conference**, *Attendee*.  
Joined the HackBattle contest and attended the conference.
- March 2012 **Startup Weekend, London**, *Attendee*.  
Finalist at Startup Weekend London
- Fall 2010 **Università degli Studi di Padova**, *Course Tutor*.  
Assisted as a tutor Software Engineering course, lectured by prof. E. Peserico.

## Education

- Apr 2011 **Master of Science in Computer Science**, *Università degli Studi di Padova, 108/110*.  
Master Thesis *PariMulo:kad*  
Supervisors E. Peserico  
Description This work focuses on the implementation of Kad in PariMulo, starting by first describing the protocol and how the network works, and then providing an in-depth vision of the implementation considering security and performance issues.
- Sep 2009 **Bachelor of Science in Telecommunication Engineering**, *Università degli Studi di Padova, 97/110*.  
Bachelor Thesis *Reverse engineering and analysis of eDonkey2000 protocol*  
Supervisors E. Peserico, P. Bertasi  
Description In this work eDonkey2000 protocol is analyzed and its main features are detailed and described, exposing pros and cons which lead to its success and later decline.

## Languages

- Native **Italian**  
**English**

## Technical expertise

- Languages C, Objective-C, Java, Ruby, SQL
- Web-Related HTML5, Ruby on Rails, GWT, JSON, XML, JQuery Mobile.
- OS Windows, Mac OS X, GNU/Linux
- Team tools SVN, Git, Bugzilla, Pivotal Tracker, Gimp
- Networking TCP/IP, UDP, P2P networks, Kademlia
- Other technologies CoreData, SQLite, Testflight, Bugsense, Bash, LaTeX