

Mirko Martignon

Co-Founder @ RoomMate

Computer Engineering student @ University of Bologna

13/09/1996, Cavalese (TN)

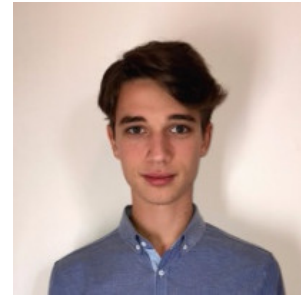
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ACADEMIC QUALIFICATION

University of Bologna, Bologna – *B.A. in Computer engineering*

SEPTEMBER 2015 - OCTOBER 2018

Grade: 110/110 with merit.

Relevant coursework: Computer fundamentals (C, Java programming), Operating systems (multi thread programming), Computer networks (network programming), Computer engineering (Design patterns).

Thesis on computer vision and machine learning with title “Planes detection in point clouds generated by a monocular system for augmented reality applications”

ITT Marconi, Rovereto (TN) - *Computer expert graduate*

SEPTEMBER 2010 - JULY 2015

High school diploma: “Perito industriale capotecnico informatico”

Grade: 100/100 with merit.

Relevant coursework: Computer science (programming bases, OOP, client - server communication, Databases), Systems for processing and transmitting data (Hardware, operating system, networks and protocols).

WORK EXPERIENCE

AlmaCube Srl, Bologna (BO) – *University internship*

JUNE 2018 – JULY 2018

Agile Software Development to support innovative startups. Team working and “lean” projects development.

Native mobile apps. Server-side functions to interface requests to a NoSQL Database. Data collection and analysis support with specially written software.

UI / UX design of mobile apps using Design Thinking approach. Technical advices to startups and entrepreneurs based on personal skills, expertise and experience.

SKILLS

Web development.

Mobile development.

Team working.

Linux knowledges.

Languages and technologies (C, Java, Swift 4, .NET Framework, Git, Python, AngularJS, SQL, Arduino, Raspberry Pi).

DBMS & Data Analysis.

CERTIFICATIONS

Cambridge English: First (FCE)

GIU 2014

R.N. 0045270248

Mitsubishi electric training

MAY 2014

EUCIP - IT Administrator

NOV 2013

Modules:

1 (Hardware),

2 (Operating systems)

R.N. ITA000A004172

ECDL

MAY 2012

R.N. ITI1684799

RoomMate Srls, Bologna (BO) – Co-Founder & Software Developer

MAY 2017 - PRESENT

Native iOS app development and maintenance in Swift 4.

Backend functionalities development.

Database management and data analysis software development.

Startup growth processes and tests.

Fiemme Sistemi Snc, Cavalese (TN) – ICT Administrator

JULY 2014 - AUGUST 2014

Design and maintenance of companies and hotels computer networks.

Network devices configuration and management (switch, router, AP, firewall, etc.)

Technical interventions on computers and networks.

Video surveillance systems configuration.

Fondazione Bruno Kessler - FBK, Trento (TN) - Programmer

JUNE 2014 – JULY 2014

Smart Community Lab.

Web app development of a gamification engine user interface.

Use of the potential of AngularJS combined with graphic models from Bootstrap.

Fiemme Sistemi Snc, Cavalese (TN) – Internship, ICT Technician

JUNE 2013 - AUGUST 2013

Technical interventions on computers and networks.

Structured cabling of a new large building of a company in South Tyrol. Wiring of network and telephone patch panels, configuration and positioning of network devices, diagnostic and performance tests.

Network devices configuration and management (switch, router, AP, etc.)

Fondazione Stava 1985 Onlus, Tesero (TN) – Volunteering in a museum

JUNE 2012 - AUGUST 2012

Volunteering in a museum about the disaster in the Stava valley on July 19th 1985, which was one of the worst industrial catastrophes anywhere, with its toll of 268 lives lost and 133 million Euros in damage.

Opening and closing of the museum, welcome visitors, accompany guests on their visit, answer questions, give historical information and manage the museum store.

LANGUAGES

Italian (mother tongue)

English (professional)

PERSONAL EXPERIENCE

Planes detection in point clouds generated by a monocular system for augmented reality applications – *Python, OpenCV, Mono-depth, Open3D, RANSAC*

JULY 2018 – OCTOBER 2018

Software for my university thesis in which is proposed a modern way to reconstruct 3D space from a neural network of a monocular vision system to determinate the main plan equation to be used for camera tracking and augmented reality applications.

RoomMate startup acceleration @ Hubble, Nana Bianca, Firenze (FI)

MAY 2018 – PRESENT

Hubble acceleration program at Nana Bianca and pre-seed investment.

Entrepreneurship and startup training, business reviews and mentoring of the best Italian digital entrepreneurs, thanks to the network of Nana Bianca.

Windows Easy Insurance – *C#, WCF web service, MySql*

APRIL 2018 – JUNE 2018

Made with two teammates. A client-server project to manage an insurance company and its interface with customers who report damages and receive compensation back after the intervention of an expert.

Project based on broker design pattern coordinating 7 servers and 4 clients. We also used MVP pattern for client interfaces and Windows Communication Foundation web services to integrate modules together over network. We designed a notifications server using Observer pattern to guarantee real time messages between different clients.

RoomMate startup incubation @ AlmaCube, Bologna (BO)

OCTOBER 2017 – APRIL 2018

Seven months incubation at AlmaCube, incubator of the University of Bologna, after a selection of 4 out of 12.

Entrepreneurship training and weekly business reviews. We won the first prize at the innovation day in march 2018 obtaining a first investment.

RoomMate startup training @ StartYouUp, Bologna (BO)

JUNE 2017 – SEPTEMBER 2017

Three months of early stage startup training, after a selection of 12 out of 180.

RoomMate Srls

MAY 2017 – PRESENT

Home automation project – *Arduino, Rasperry Pi, App*

FEBRUARY 2017 – MARCH 2017

This is a project that I use every day at home to turn the lights on and off, set the alarm clock, prepare coffee in the morning, adapt the microclimate and more.

With an app it is possible to know the status of the various lights and to use all the features mentioned above, it is also possible to schedule the execution of these services temporally.

Raspberry Pi exposes web APIs and interfaces with Arduino through a system service and a serial channel. The latter is in direct contact with the hardware and acts on it.

Trentino 14-18 – Cross-platform app, Java Jersey RESTful API, MongoDB

MAY 2015 - JUNE 2015

Historical educational project. Mobile app (Android and iOS) for the centenary of the First World War. It includes historical sites, forts images and description all around the Province of Trento, on the war frontier.

The front-end has been developed with a cross-platform hybrid application. Back-end Tomcat-Apache running on a Raspberry Pi Model B.

Java Jersey REST API to interface with MongoDB using JSON for data transfer.

Trentino in Bus – Cross-platform Ionic app, GTFS, SQLite

FEBRUARY 2015 - APRIL 2015

Mobile app (Android and iOS) for public transport timetables in Trentino.

Includes extra-urban, urban, and train routes.

App consultation can take place offline thanks to a relational SQLite database built from public Google Maps GTFS data.

Time updates when available, are downloaded automatically from the Internet.

Skibus Fiemme – Cross-platform Ionic app

OCTOBER 2014 - DECEMBER 2014

Mobile app for Android and iOS dedicated to the Val di Fiemme winter skibus service.

It allows the consultation of the schedules of the Skibus lines, provides information about ticket prices and ticket purchase and more.

Weather forecast bot – Python

MAY 2014 - JUNE 2014

A Telegram bot written in Python that receives addresses and returns current weather condition and forecast for the nearest city it finds.

This has been developed before official Telegram bot support.

Several websites – HTML5, Javascript, jQuery or AngularJS, CSS3, Bootstrap

JANUARY 2014 - PRESENT

I worked on some websites using latest available technologies. I usually produce client side dynamic content by using JQuery or AngularJS depending on case of use. Server side dynamicity is developed in several ways, usually in Java, ASP.NET, PHP or Python.

Automatic Fish Feeder – Arduino project to automatically feed my goldfish

DECEMBER 2013

I had to move from home for two weeks for the holidays, so I created an Arduino-based

system to deliver the right amount of food to my goldfish daily.

I used an RTC shield to make sure that it was rebooted regularly after a power outage.

One display showed status information, while a motor operated a structure that, by running a tape, carried out the required action.

PERSONAL QUALITIES

- Highly interested in new experiences and technologies.
- Open and flexible thinking.
- Methodical and organized way of working.
- Good technical and analytical skills.
- Passionate about Lean Startup, Growth Hacking and continuous improvement.