

Raul Parada Medina

Curriculum Vitae

PERSONAL DETAILS

<i>Birth</i>	February 3rd, 1984
<i>Current Address</i>	Gavà, Barcelona, Spain
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EDUCATION

PhD. in Information and Communication Technologies Sep.2012-Mar.2016

*Universitat Pompeu Fabra (Department of Information and Communication Technologies)
Barcelona, Spain*

Teacher assistant in Telecommunications and Radiocommunications. Interest on RFID technology, machine learning and antenna design. The main task was designing intelligent systems by applying machine learning techniques. This PhD was funded from an awarded and competitive fellowship.

MSc. in Telecommunications Aug.2010-Sep.2012

*Technical University of Denmark
Kongens Lyngby, Copenhagen, Denmark*

Graduated in master of science degree about telecommunications. Interest on wireless and mobile communications, and network simulations. After the master degree a strong skill on cellular networks was acquired. The master thesis was about dynamically allocate resources with LTE running network simulations. I was accepted to study at Technical University of Denmark where all courses were covered by the university.

BSc. in Telecommunications (Telematics) Sep.2003-Jul.2008

*Universitat Politècnica de Catalunya
Castelldefels, Barcelona, Spain*

Graduated in degree about telecommunications. A strong background about telecommunication basis was acquired during this period. During my bachelor period, I had to combine work and studies in order to pay the enrollment yearly.

Diploma Thesis in Telecommunications Oct.2007-Jun.2008

*Vienna University of Technology
Vienna, Austria*

Final project degree on network protocol simulation. The diploma thesis was about simulating the Spanning Tree protocol using OPNET. I was awarded with a mobility grant to perform my diploma thesis abroad.

WORK EXPERIENCE

R&D Researcher

Nov.2018-Jan. 2019

REM Device S.p.A., Full-time

Nove, Italy

Researcher on a project of Industrial RF equipment for Industry 4.0 environments.

RF Researcher

Jul.2018-Sep.2018

Unox S.p.A., Full-time

Padova, Italy

Researcher on a project of RF microwave technologies for cooking applications. It required the design of suitable antenna for very harsh environments.

Post-doctoral Researcher

Jun.2016-Jun.2018

Università degli Studi di Padova, Full-time

Padova, Italy

Researcher on implementing machine learning techniques on cellular and wireless sensor networks. The main task is to use both supervised and unsupervised techniques to obtain flexible and adaptable networks.

Course Instructor

Sep.2015-Present

Universitat Oberta de Catalunya, Freelance

Barcelona, Spain

Manage technical master and diploma theses about intelligent systems using RFID and other wireless technologies. I have managed tens of master/diploma theses related to communication systems and data science.

Predoctoral Researcher

Sep.2012-Mar.2016

Universitat Pompeu Fabra, Full-time

Barcelona, Spain

Researcher on RFID technologies applications applying machine learning techniques, and RFID antenna designer. This PhD was funded from an awarded and competitive fellowship. My research included the collaboration with the industry.

Software tester

Feb.2012-Sep.2012

Cobham, Part-time

Kongens Lyngby, Copenhagen, Denmark

Tester on latest software versions for satellite functionalities. I dealt with complex systems and disruptive technologies.

Wimax Deployment Engineer

Mar.2009-Aug.2010

Eurona Telecom, Full-time

Barcelona, Spain

Engineer on deploying new Wimax networks and pre-sale services to companies. I did lead multiple technician teams simultaneously to achieve a common goal.

Helpdesk engineer

Jun.2008-Mar.2009

U-PROMS, Full-time

Hospitalet de Llobregat, Barcelona, Spain

Engineer on solving computer and network technical issues to clients. I dealt with companies and solved technical issues remotely or in situ.

Internship

Feb.2007-Aug.2007

*Universitat Oberta de Catalunya (IN3), Part-time
Castelldefels, Barcelona, Spain*

R&D researcher on simulating and improving their network architecture. I have learned new tools to start my career as an engineer.

SKILLS

<i>Languages</i>	Spanish (mother tongue) Catalan (mother tongue) English (fluent) Italian (intermediate)
<i>Software</i>	MATLAB, L ^A T _E X, ANSYS, OPNET MODELER, R, SQL, 4NEC2, PYTHON, NS3
<i>Hardware</i>	NETWORK ANALYZER, ASSEMBLING COMPUTERS AND SERVERS, ANTENNA DESIGN