



+34 617 566 888



gsierra@guillesierra.com

GUILLERMO SIERRA AIELLO

<http://guillesierra.com/>

<https://es.linkedin.com/in/sierraguillermo/en>



PROFILE

Telecommunication engineer seeking for a challenging position, offering large practical experience earned by attending several workshops, national challenges, Hackathons and conferences in addition to more than six years of self-learning, DIY and hands-on projects. Willing to relocate.

PROFESSIONAL EXPERIENCE

- 2016 Amadeus**, Air department. Java Software developer engineer in Tribe agile team. **E-commerce product and bookings**. Nice, France.
Rücker Lypsa, Android developer for SEAT. SEAT tap, Interactive car dashboard NFC controller. **Automotive** area, Martorell, Spain

EDUCATION

- 2015** EPFL, Switzerland, Semester Project as Exchange Student – **Automotive** Collaborative sensing, V2V beyond self-driving cars
2010 – 2015 Polytechnic University of Catalonia, UPC, Barcelona – Telecommunication Engineering Degree, field of Telematics

PERSONAL SKILLS

Languages: **Spanish** [native], **English** [Fluent - C1], **French** [medium - B2], **Catalan** [native]. **Entrepreneurship**, **analytic** and **comm.** skills.
Interests: **IoT**, Real Time **video** and **image recognition**, Neural Networks, Dynamic programming algorithms.

TECHNICAL SKILLS

Low level: **C** [upper intermediate], **Assembler IA32** [Fair], **Go-Lang** [fair]

Scripting languages: **Python** [medium], **Perl** [fair], **Bash** [medium], **JavaScript** [medium], **PHP** [fair], **Basic** [medium]

Object Oriented: **Java** [strong], **Android** SDK, NDK [strong], **C++** [upper intermediate]

Web Services and Markup: **Rest** [medium], **SQL** [medium], **SOAP** [medium]: **HTML** [medium], **XML** [medium], **MongoDB/MySQL** [medium]

Software background: **Matlab** [medium], **ROS framework** [medium], **git** [strong], **Unix** [Commands, tools & Linux Operative System architecture – upper-intermediate], **Microsoft Excel** [MACRO's & on depth functions knowledge], **Cooja WSN Simulator** [upper-intermediate]

TECHNICAL EXPERIENCE AND WORKSHOPS

- 2016** EWSN dependability challenge 2016, Austria. **Energy-Efficient, Low Latency, Interference-Resilient** networking for **IoT** [ELI-IoT].
2015 Intel Edison Challenge 2015, promoted to FICOD's 2nd phase national challenge – **IoT** <https://ficod.es/en/reto/reto-edison-2015/>
 Facebook Hackathon 2015, EPFL, Switzerland – **2nd place award**, 'Phood' **Android** App
2014 'FlyFinder', Barcelona – Javascript, REST & SOAP web-services application in 'Multimedia App Programming' (PAM) subject, UPC
 'LetsGo', Barcelona – **Android** Application developer, CTO at 'Andiamo' Startup
 'ThinkBig' Telefonica – Smart City idea promoted to Telefonica's National Entrepreneurship challenge
 Domotics Sensor Network, Barcelona – Zolertia Z1 motes - **IoT** network deployment within 'Wireless Network' subject, UPC
 'Third Eye', Barcelona – **Android** Application Project - Real time street video Recognition Software
2013 Mobile GSM & LTE, 'St. Cugat del Vallés' network coverage studio and planning – Research work in Mobile Comm. Support Systems
 'CubeCAT', Nano CubeSat project within ABS [**Android** Beyond Stratosphere] – **Google's Grant Awarded Project**
2012 'Social Network' and 'Run&Race' – Java Application within 'Object Oriented Methodology' (MOO) subject, UPC
 {Robotics Humanoid, Kinect 3D, Graph and routing dynamics: models and algorithms} IRIS & ETSETB, UPC Seminars and conferences
2011 'SeaPerch' Underwater Robot – Project within ENTIC subject, UPC. MIT grant project <http://seaperch.mit.edu/>
2009 Sumo Robot, Barcelona – High School Final Research Project - **2nd place Award**, UPC AESSBOT'10 challenge

SCIENTIFIC PUBLICATIONS

Sierra Aiello, Guillermo., Demirkol, Ilker., Calveras, Anna., Gomez Carles., Garcia, Eduard., (2016) "Stateless Routing based Cross Layer Approach for Interference-Resilient, Low-Delay Networking", ACM Digital Library.