

## EMPLOYMENT

**Universal Diagnostics SL**

Bioinformatician & Full Stack Developer. Seville, Spain.

*April-2015–Current*

Building a biostatistical framework for early detection cancer diagnostic tests. Design and management of a clinical data database. Analysis of targeted and untargeted liquid chromatography mass spectrometry (LC-MS) metabolomics data for disease identification. Study of variance stabilization, noise reduction and drift correction pre-processing techniques for LC-MS.

**Jagah Systems AB / KTH Holding AB**

iOS/Android Developer, Consultant & Research Assistant. Stockholm, Sweden.

*July-2014–December-2014*

Built a number of applications for iOS and Android to create a Bluetooth Low Energy (BLE) peer to peer network of smartphones. Implementation of trilateration algorithms for infrastructureless indoor positioning. Data extraction of ranging estimations for further analysis. Market study of the state of affairs of other indoor location companies and products.

## EDUCATION

**Kungliga Tekniska Högskolan**

Erasmus Exchange & Master Thesis. Stockholm, Sweden.

*2013–2014*

Worked on topics related to the fields of 'Pattern Recognition' (Implemented a voice recognition system on Matlab), 'Internet and Network Security Systems' and 'Microwave Technologies'.

**Universidad Politecnica de Valencia**

M.Sc. Telecommunications Engineering. Valencia, Spain.

*2008–2015*

Deep study of the different disciplines required for the understanding of telecommunications engineering systems. Acquired knowledge on 'Electrical Engineering', 'Advance Programming', 'Electromagnetic Fields', 'Voice and Data Transmission', 'Optical Communications', 'IP Technologies', 'Network Management', and other subjects.

## SKILLS

**Programming languages**

C, Objective-C, Java, Python, Go, Javascript, AngularJS, R, Django, Visual Basic, Haskell, Matlab, MongoDB, SQL, VHDL, DLX Assembly, Motorola 68k Assembly, LaTeX, Markdown, HTML, CSS.

**Software and technology**

Linux, BSD, GNU Toolkit, Vim, Eclipse, XCode, Git, Apache, Nginx.  
Adobe Photoshop, Adobe Lightroom, Sketch.

**Languages**

Spanish Native speaker

English Full professional proficiency