

Ismael Rodríguez

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Education

2016 - 2018	Master's Degree in Innovation and Research in Informatics Polytechnic University of Catalonia – Barcelona (Spain).	(3.04 / 4.00)
2012 - 2016	Bachelor's Degree in Computer Science and Engineering University of Zaragoza – Zaragoza (Spain).	(3.98 / 4.00)

Work Experience

October 2017 – Now	Software Engineer at Datumize. Design and creation of innovative products, including tracking forklifts in a warehouse using the existing Wi-Fi infrastructure, a Big Data platform to process web analytics, and the development of new features of the core Datumize products.
May 2017 – August 2017	Google Summer of Code participant for DBpedia Designed and built a user-friendly Web Application to administrate RML mappings. Integrated it with the DBpedia infrastructure.
September 2012 – July 2016	Undergraduate collaborator with Distributed Information System Group Designed and built Infoboxer, a web application that helps user to create Wikipedia Infoboxes using information from DBpedia Linked Data dataset.
July 2014 – September 2014	Internship at Palbin.com Implemented new features of their eCommerce platform. Designed and built a hybrid mobile application where clients could manage their online stores.

Personal Projects

2018	Refresh of Data Structures and Algorithms Self-study of Data Structures and Algorithms books to refresh my knowledge and keep improving.
2016	Chip-8 Java Emulator Emulator of the Chip-8 system implemented in Java.
2015-2018	San Lorenzo App Hybrid mobile application to browse San Lorenzo festivities at Huesca, Spain.
2015	Cropper Real-time collaborative social network made for farmers who want to alert to other farmers of dangerous events.
2011	Crazy Golf DS Mini-golf homemade game for Nintendo DS.
2013	uConverter Easy to use Android app to convert measuring units and currencies.

Extended information about these and all my projects is available at my website.

Technical Skills

Programming Languages	Proficient: Java and Javascript. Strong: TypeScript, HTML, CSS, C, SQL. Familiar: Python, Ruby, ARM Assembly, PHP, Bash.
Others	Web: Angular, React, Redux, NodeJS, Express.js Mobile: Android API, Android Studio, Ionic, Cordova. Semantic Web: RDF, SPARQL, OWL API. Testing: Junit, Mockito, Mocha, Chai. Tools: Git, MySQL, PostgreSQL, IntelliJ, Chef, Linux Shell.

Awards

2018	Maximum score with honors in my Master Thesis: "A System to Seamlessly Capture and Analyze User Interactions with Webpages".
2017	Best Academic Record of 2012/16 promotion of Computer Science and Engineering at University of Zaragoza.
2016	Best Final Degree Project on Computer Engineering at Zaragoza 2016 by Tecnara.
2016	GFT Prize in HackUPC Fall 2016 Hackaton with "Stores for me!" project.
2016	First Prize in Keystone Hackaton, "Keyword Search in Big Linked Data".
2015	NASA Space Apps Winner in Zaragoza (Spain) with "Cropper" project.

Languages

Spanish	Native.
English	CEFR C2 Level – Certificate in Advanced English, Grade A.
Catalan	Intermediate Level.

Personal Interests and Hobbies

Software Engineering is both my job and my passion. I question every line of code and learn from my mistakes, to make the cleaner code as possible, applying Software Engineer skills and analyzing the consequences of every decision in code and system design.

I really love creating personal projects just to challenge myself, even if that means learning new technologies. That is why I am into hackathons: I've already participated in nine.

I consider myself a fast, self-motivated learner, an open-source friend and a good team mate. Besides, I couldn't live without running and reading good fantasy, science and physics books.