Ismael Rodríguez
Software Engineer @ Barcelona

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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, Spain	(3.50 / 4.00)

Work Experience

April 2018 – Now
Co-Founder at Hedyla
One of the three creators of Hedyla, a startup focused on optimizing processes in the logistic sector using AI and Big-Data techniques.

October 2017 – April 2018
Software Engineer at Datumize
Design and development of innovative products using Java, path-finding algorithms and Big Data tools (Spark, HBase, Kafka, ElasticSearch). Focus on performance, clean code and extensibility.

May – August 2017
Google Summer of Code participant for DBpedia
Creation of a user-friendly Web Application to administrate RML mappings for DBpedia.

2016
Undergraduate collaborator with Distributed Information System Group
Development of a system to create Wikipedia Infoboxes using information from the Semantic Web.

Recent Projects

2018
Datumize Web Collector and Big Data Platform
Typescript library to capture interactions of web visitors without altering the code of the website, and a Big Data Platform to extract analytics from such data. Developed as my Master's Thesis.

2017
DBpedia Mappings UI
User-friendly web application to administrate RML mappings, integrated into the DBpedia infrastructure. Built with NodeJS and React.

Skills

Programming
Proficient: Java and Javascript
Experienced: Python, TypeScript, HTML, CSS, C, Ruby, Bash

Technologies
Big Data: Kafka, Spark, ElasticSearch, HBase
Web & Mobile: Angular, React, Node.JS, Express, Ionic, Android
Other: JUnit, Mockito, Git, Maven, MySQL, PostgreSQL

Languages
Spanish: Native
English: CEFR C2 Level – Certificate in Advanced English, Grade A
Catalan: Full understanding (read and listen)

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.

More information about me, including personal projects, can be found at my website.