

# DAVID MORENO LUMBRERAS

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## PROFESSIONAL EXPERIENCE

### Universidad Rey Juan Carlos – Postdoctoral Researcher

OCT 2023 – PRESENT

Development of BabiaXR, a web platform for data visualization in VR. Leadership of a research group, and assistant teacher.

### Universidad Rey Juan Carlos – Predoctoral Researcher

MAR 2022 – OCT 2023

### Bitergia – Researcher & Front-End developer

AGO 2018 – MAR 2022

Development of web apps using different frameworks (Vue.js, React, AngularJS) and Django-Python as backend. Development of Kibana/ElasticSearch plugins. Deployment of different systems (web apps, ELK, CI) using Docker.

### Samsung Electronics – Assistant Engineer

JUN 2018 – AGO 2018

### Bitergia – Front-end Developer

JUL 2017 – JUN 2018

### Universidad Rey Juan Carlos – Technical Researcher

JAN 2017 – JUL 2017

### IXION Industry & Aerospace, S.L – Scholarship Web Programming

JAN 2016 – JUN 2016

### NEORIS – Trainee Microsoft Dynamics CRM

JUL 2015 – JAN 2016

## EDUCATION

### Universidad Rey Juan Carlos

**Ph.D. Information and systems technologies.**

<https://thesis-dlumbrer.gitlab.io>

2019 – 2023

### University Rey Juan Carlos

**Master's Degree in  
Telecommunication Engineering**

2016 – 2018

### University Rey Juan Carlos

**Degree in Telecommunication  
Technologies Engineering**

2011 – 2016

## PUBLICATIONS

### **Software development metrics: to VR or not to VR @ EMSE**

Moreno-Lumbreras, David & Robles, Gregorio & Izquierdo, Daniel & Gonzalez-Barahona, Jesus

### **The influence of the city metaphor and its derivatives in software visualization @ JSS**

Moreno-Lumbreras, David & González-Barahona, Jesús M. & Robles, Gregorio & Cosentino, Valerio

### **BabiaXR: Facilitating experiments about XR data visualization @ SoftwareX**

Moreno-Lumbreras, David & González-Barahona, Jesús M. & Robles, Gregorio

### **Understanding the NPM Dependencies Ecosystem of a Project Using Virtual Reality @ VISSOFT 23**

Moreno-Lumbreras, David & González-Barahona, Jesús M. & Lanza, Michele

### **Enhancing CodeCity: Code Evolution in VR using Web Technologies @ SATToSE 23**

Moreno-Lumbreras, David & Gonzalez-Barahona, Jesus & Robles, Gregorio

### **CodeCity: A comparison of on-screen and virtual reality @ IST**

Moreno-Lumbreras, David & Minelli, Roberto & Villaverde, Andrea & González-Barahona, Jesús M. & Lanza, Michele

### **Visualizing code reviews bottlenecks, from 2D to virtual reality @ BENEVOL 22**

Moreno-Lumbreras, David & Gonzalez-Barahona, Jesus & Robles, Gregorio

### **BabiaXR: Virtual Reality software data visualizations for the Web @ OpenVRLab 22 (IEEE VR)**

Moreno-Lumbreras, David & Gonzalez-Barahona, Jesus & Villaverde, Andrea

### **To VR or not to VR: Is virtual reality suitable to understand software development metrics? - Registered Report @ ESEM 21**

Moreno-Lumbreras, David & Robles, Gregorio & Izquierdo, Daniel & Gonzalez-Barahona, Jesus

### **CodeCity: On-Screen or in Virtual Reality? - Full Paper @ VISSOFT 21**

Moreno-Lumbreras, David & Minelli, Roberto & Villaverde, Andrea & González-Barahona, Jesús M. & Lanza, Michele

### **Making CodeCity Evolve - Technical Paper @ BENEVOL 19**

Moreno-Lumbreras, David & Cosentino, Valerio & Gonzalez-Barahona, Jesus

### **SortingHat: Wizardry on Software Project Members - Workshop paper @ ICSE 19**

Moreno-Lumbreras, David & Dueñas, Santiago & Cosentino, Valerio & Fernández, Miguel & Zerouali, Ahmed & Robles, Gregorio & Gonzalez-Barahona, Jesus