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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