

Rubén Morales Pérez

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Education

2014 - ...

Double bachelor in computer sciences and mathematics - University of Granada

Specialization

Computer sciences: *Artificial intelligence*

Mathematics: *Applied statistics*

2017 - 18

Erasmus - Durham University (UK)

2012 - 14

General Certificate of Education in sciences - IES Francisco Ros Giner (Spain)

Languages

Native speaker of *Spanish* and fluent in *English*

Knowledge

Languages

Programing: C/C++, Java, JavaScript/TypeScript, Python, Ruby, R, Bash, x86 assembly, AIML

Typesetting systems: Markdown, Latex

Symbolic computation: Maxima

Mathematics

Statistical inference

Numerical analysis

Differential equations and partial differential equations

Modeling

Differential geometry

Database

Relational: MySQL/SQL

Non-relational: MongoDB

SysAdmin and networks

GNU/Linux, Windows server, VirtualBox

Wireshark, VPNs, routing

Version control

Git/GitHub

Continuous integration with Travis CI and continuous delivery with Jenkins

User Interfaces

Android development at Universidad Internacional de Andalucía (UNIA)

React native: native mobile apps (iOS & Android)

Desktop applications with Java

Automate GUIs with SikuliX

Testing

Junit, Mockito (Java)

Karma, Jasmine (Angular)

Selenium

Work experience

July 2019 - ...

Full stack developer at ELCA

Back end with Java, JUnit, Spring

Front end with Angular, Karma, Jasmine

Dokku for deployment and database administration with MySQL and Flyway

Other contributions

Open source in GitHub

Lecture notes for different subjects

Rubik's cube solver

Anki decks of several subjects

Societies and interests

LibreIM: popular science related to mathematics and computer sciences

Interferencias: digital rights, security and related topics