



Juan Manuel Ruiz Fránquiz

SOFTWARE ENGINEER

CONTACT



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[Online portfolio](#)



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SOFT SKILLS

Communication

Teamwork

Problem solving

Motivation

Creativity

TECH STACK

React, NodeJS, Python,

TypeScript, JavaScript,

HTML, CSS, Git, Java, SQL,

MongoDB

LANGUAGES

Spanish: native

English: C2 level

Cambridge Advanced Exam (C1)
passed with C2 level.

German: basic level

WORK EXPERIENCE

Software Developer

07/2022 - Present

Arup, Madrid

Software developer with full-stack profile within Arup Madrid's digital team.

- Member of the team behind Arup's d.Hub web platform, which offers modular digital solutions for project management and sustainability certifications. Platform used by clients such as AWS, Inditex, El Corte Inglés and Adif.
- Participant in the team responsible for the creation of a platform for the preprocessing, analysis, and visualisation of data from several airports in Spain for Aena.
- Tech stack: React, TypeScript, Python, Java, NodeJS, Docker, Git, PostgreSQL.

Software Developer Intern

09/2020 - 12/2020

Secret Source, Gran Canaria

- Team member responsible for the development of a section of a website for a client in the UK.

EDUCATION

Computer Science

2017

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2021

University of Las Palmas de Gran Canaria

Degree in Computer Science with a specialization in Information Technology.

Computer Science

2019 - 2020

AGH University of Science and Technology (Krakow, Poland)

Third year of Computer Science in Krakow as part of the ERASMUS program.

Other certifications

- 'AWS Certified Solutions Architect Associate'
- 'MongoDB Associate Developer (Node.js)'
- 'Introduction to Big Data'.

PERSONAL PROJECTS

New York realtime traffic prediction

Python, Tensorflow, React

- End of degree thesis. It was graded with a 9.7/10 with honours.
- Creation of a predictive model for traffic on 26 Manhattan streets using historical traffic, air quality and weather data.
- Real-time data collection, passed to the generated model to generate predictions. The results are used to retrain the model.
- Graphical interface for visualization of predictions, with comparisons between actual traffic values and model predictions.

Classic Fun Games

React

- Website with implementations of classic games such as 'Sudoku', 'Memory Game' or 'Connect 4'.
- Option to modify the difficulty in some games.