

JOB HISTORY

Jun 2023 – Sep 2023

Freelance Web Developer

BoardgameArena.com, Madrid

- I developed a digital boardgame for the website boardgamearena.com.
- Back-end skills: PHP and SQL to construct and manage the rules and logic of the game.
- Front-end skills: JavaScript, HTML and CSS to create a responsive client-side interface.

Feb 2020 – Apr 2023

Data Scientist

Foqum, Madrid

- I worked training machine learning models, such as neural networks, for NLP tasks and also for tabular and image recognition problems.
- Skills I learned: Neural Networks, Agile methodologies, CI, Git, Docker, FastApi, Web scraping, Elasticsearch, Unit Tests, TDD.

Sept 2019 – Jan 2020

Quantitative Analyst

Rentamarkets, Madrid

- I spent four months helping the team of Quantitative Analysis at Rentamarkets and learning the innerworkings of financial markets first hand.

EDUCATION

2015 – 2019

PhD in Theoretical Physics

Imperial College London

- 11 papers published with a total of 507 citations.
- I gave conferences in Cambridge University, Durham University, Imperial College London and Queen Mary University of London.

2014 – 2015

MSc in Quantum Fields and Fundamental Forces

Imperial College London

- Grade: Distinction (Abdus Salam Postgraduate Prize for best performance)

2010 – 2014

Bachelor's degree in Physics

Universidad Autónoma of Madrid

- Grade: 92.4/100

PROGRAMMING

Web

Back-end: Node.js, PHP, SQL, WebSockets

Front-end: JavaScript, Svelte, HTML, CSS

Deployment: AWS EC2 instances; IPv4 address, domain and SSL certificate managing, Apache2

CI and Project Management

Unit Tests and Functional Tests, Test Driven Development, Git, Agile Methodologies

Data Science

Python: Machine Learning tools to train Neural Network Models

Web scraping; Selenium and BeautifulSoup, XPATHs.

Deploying: Docker, FastAPI and AWS environment for deploying our models

ADDITIONAL INFORMATION

Languages

English – Fluent. I have lived and worked in the United Kingdom for six years.

Spanish – Mother tongue

Interests

I like to run and play Dungeons and Dragons games, to read fantasy and science fiction books, comics, to play board games and magic cards and to paint miniatures.