Carlos Sanchez Marin

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EXPERIENCE

Full-stack Engineer
Onoma AI

Feb 2023 – present
Seoul, South Korea

- Lead developer of full-stack server-less applications
- Developed a promotional app that feeds a proprietary text2image AI with prompts generated by ChatGPT
- Redesigned the cloud infrastructure of our main product cutting AWS costs by more than 50% while enhancing our data privacy protocols

Data Science Intern
DAF Trucks NV

Mar 2021 – Nov 2021
Eindhoven, The Netherlands

- Analyzed raw data from over 60,000 connected trucks and corrected measurement errors applying statistical analysis
- Developed different deep learning models with Tensorflow to forecast trends in vehicle's data
- Collaborated with different departments within DAF to improve the deep learning models and presented the results at the end of the internship

Researcher
Universidad Politécnica de Madrid

Jan 2019 – Jun 2020
Madrid, Spain

- Developed a tool for visual composition of SQL and real-time queries on Angular
- Developed web services to connect different web applications with backend services
- Developed new components and features for a Complex Event Processing engine on Java, including real-time data ingestion and export
- Developed scripts to automatize the installation and deployment of different Complex Event Processing platforms
- Developed automatization tools for the benchmarking of a Complex Event Processing engine running on edge devices

Software Engineer
Vipera Iberica SL

Jan 2018 – Jan 2019
Madrid, Spain

- Developed Java plugins for the backend of a banking application using the Apache Felix framework
- Developed an Enterprise's credit card management mobile app using the Ionic Framework
- Co-developed as my Bachelor's final degree project a plugin to aim the clients with a native SDK for iOS, Android and Cordova in case they wanted to integrate the company's card managing solution in their apps instead of using the end-to-end solution offered by Vipera

Research Intern
Universidad Politécnica de Madrid

Jul 2016 – Apr 2017
Madrid, Spain

- Developed scalability functionalities for a Complex Event Processing engine using the Apache Zookeeper library
- Developed a set of benchmarks to test my solution using Python and Bash to auto-generate the datasets

EDUCATION

Eindhoven University of Technology
Exit year of Master in Data Science in Engineering, Minor in ICT Innovation

Eindhoven, The Netherlands
Feb. 2023

Aalto University
Summer School: Ravaging Disruptions in Retailing

Helsinki, Finland
Aug. 2020

Universidad Politécnica de Madrid
Entry year of Master in ICT innovation: Data Science track

Madrid, Spain
Jun. 2020

Universidad Politécnica de Madrid
Bachelor of Engineering in Computer Engineering

Madrid, Spain
Feb. 2019

Troy University
Exchange student on Bachelor of Science in Computer Science

Troy, AL, USA
Fall 2017

Technical Skills

Languages: Java, TypeScript, Python, Scala, C, SQL, JavaScript, HTML/CSS, R
Data Science tools: Pandas, Tensorflow, numpy, tidyverse
Web Frameworks: Angular, Vue.js, Next.js/React
Developer Tools: Git, Maven, Gradle, npm, Docker, AWS

Soft Skills

Teamwork, Analytical thinking, Autonomous learning