

Carlos Sanchez Marin

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EXPERIENCE

Lead Software Engineer

Feb 2023 – present

Onoma AI

Seoul, South Korea

- Lead developer of full-stack **serverless applications (Next.js)**
- Lead and main contributor to 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 70% while enhancing our data privacy protocols**
- **Mentored a junior Frontend Engineer**, and guided interns when they were stuck with their assigned tasks.

Data Science Intern

Mar 2021 – Nov 2021

DAF Trucks NV

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

Jan 2019 – Jun 2020

Universidad Politécnica de Madrid

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

Jan 2018 – Jan 2019

Vipera Iberica SL

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

Jul 2016 – Apr 2017

Universidad Politécnica de Madrid

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

Eindhoven, The Netherlands

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

Feb. 2023

Aalto University

Helsinki, Finland

Summer School: Ravaging Disruptions in Retailing

Aug. 2020

Universidad Politécnica de Madrid

Madrid, Spain

Entry year of Master in ICT innovation: Data Science track

Jun. 2020

Universidad Politécnica de Madrid

Madrid, Spain

Bachelor of Engineering in Computer Engineering

Feb. 2019

Troy University

Troy, AL, USA

Exchange student on Bachelor of Science in Computer Science

Fall 2017

TECHNICAL SKILLS

Languages: Java, TypeScript, Python, Elixir/Phoenix, Scala, C, SQL, JavaScript, HTML/CSS, R

Data Science tools: Pandas, Tensorflow, numpy, tidyverse

Web Frameworks: Next.js/React, Vue.js/Nuxt, Angular

Developer Tools: Git, Maven, Gradle, npm, Docker, AWS

SOFT SKILLS

Teamwork, Analytical thinking, Autonomous learning