Nacho Salinas

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EDUCATION

Certificate in Advanced English — Cambridge University Press and Assessment
Level C1 — *June 2023*

Data Science Master — Autonomous University of Madrid (UAM)
Average mark: 8.45/10 — *Sep 2020 – July 2022*

Computer Science Degree — Autonomous University of Madrid (UAM)
Average mark: 8.94/10 — *Sep 2016 – Jun 2022*

EXPERIENCE

Hewlett Packard Enterprise — Madrid, Spain
Solution Architect - Device Entitlement Gateway (DEG) platforms — *Dec 2023 – Present*
- Led a team of engineers in delivering a high-impact project for a major telecommunications company.
- Creation of a common, extensible and reusable testing library for all DEG projects. This reusable collection of tests simulated any phone functionality (iPhone or Android), reducing the testing phase duration by 80% and significantly minimizing customer dependence during this phase. The library is based on the Custom Testing Tool created during the Technology Consultant position.
- Development a comprehensive monitoring system that provides a simplified, real-time overview of the entire platform's status, enhancing operational efficiency and ensuring seamless performance. This tool is based in Python (mainly Pandas and PyPlot) along with Bash scripts and SMTP servers.

Technology Consultant I — *Oct 2021 – Dec 2023*
- Design, creation and delivery of software solutions for telecommunications companies.
- Creation of an automated, multi-platform, reusable and extensible testing tool allowing to reduce the time required to verify if the functionality is the expected from days or weeks up to a few minutes (from 70 to 80% of time saved on average). This utility is based in Python.

Software Engineer and Data Scientist — May 2021 – July 2022
Plenoptika Europe, www.plenoptika.com — *Madrid Spain*
- Development of a machine learning engine with the potential to address the global problem of shortage of eye care professionals, simplifying and accelerating the process for eyeglass prescription. The technologies chosen to carry out the project were: AWS and its different services (Cloudformation, Codecommit, CodePipeline, API Gateway, Cognito, Lambda, RDS, S3, EC2), Python, Jupyter Notebooks, Bash, Rest API, Postman and Swagger.

Software Engineer — Sep. 2019 – May 2021
MEDIC, www.medicuam.com — *Madrid, Spain*
- Developed a calibration system for a visual simulation device (SimVis) using C++ and Qt. The project includes both software (bluetooth, image processing and low-level camera control modules) and hardware (design of different parts of the system, build the calibration cradle, etc.).

ADWARDS

Cum Laude - Bachelor's Degree Extraordinary Award — UAM, May 2022

Best academic record and extraordinary end-of-degree award. Top 1 out of 97.

Included in the 2021 SEDEA Ranking — SEDEA, Oct. 2021

The Spanish Society of Academic Excellence (SEDEA) is a national entity whose main mission is to identify and accredit the best graduates in the country. Top 14 out of 70 students in Spain

Finalist Universityhack Datathon 2021 — Cajamar, March 2021

5th place. Cajamar Universityhack is the largest data analytics competition in Spain.

x2 Best E.P.S. Bachelor Thesis — NTT Data and Deloitte, Sept. 2020 and Feb. 2021

Chosen between all the bachelor thesis of the academic year 2019/2020.

x3 Excellence Scholarship Community of Madrid, Jan. 2020, 2019 and 2018

Excellence scholarship granted to the best students of the academic year in Madrid.

Top 5 best first year students UAM, Sept. 2018

Award granted to the 5 best students of the first course of Computer Science Engineering.

PERSONAL PROJECTS

My Smart Home + Virtual Assistant | *Python, Raspberry Pi, Home Assistant, Docker* Jan. 2018 – Present
- Used python to create a domotic system for a single-family house.
- Currently working in the possibility to control 'My smart home' from a virtual assistant such as Google Home or Amazon Alexa.
- Link to demo.

Challenge Cajamar Agro Analysis | *HTML, CSS, Python, Pandas, Numpy* Feb. 2021 – March 2021
- Used python to make an analysis of the Spanish market during the pandemic.

Mechanical Arm | *C++, Python, Raspberry Pi* Apr. 2020 – May 2020
- Used C++ to create a mechanical arm.
- Link to demo.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, SQL, JavaScript, HTML/CSS, R, Assembler
Frameworks: React, Node.js, WordPress, FastAPI
Developer Tools: Git, Docker, Jenkins, Amazon Web Services, Visual Studio Code, PyCharm, IntelliJ, Eclipse, Postman
Libraries: PyPlot, Pandas, NumPy, Matplotlib
Experience: Software Development, Machine Learning, Data Mining, Communication protocols (Dynamic Host Configuration Protocol - DHCP, Entitlement Servers), Medical Devices (Eye Care)