

Daniel Barahona Martín

Computer Engineering

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[GitHub](#) · [Personal Website](#) · [LinkedIn](#)

SUMMARY

Upcoming Computer Engineer, currently studying at the Polytechnic Superior School (Autonomous University of Madrid, Spain). Avid learning enthusiast with interest in computers and foreign languages. Ready to devise a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises. Quick learner, successful working in both team and self-directed settings.

EDUCATION

Degree in Computer Engineering

2019 - 2023

EPS-UAM (Madrid, Spain)

- Average of 8.74 / GPA equivalent: 3.5.
- Grades with highest honors (distinction) in 6 out of 26 courses.

Docker & Kubernetes: The Practical Guide

May-July, 2022

AcadeMind (Udemy online course)

- Learned about the Docker/Kubernetes platform to compartmentalize distributed applications, in both theoretical and applied scenarios.

International Baccalaureate Diploma

2017 - 2019

IES Rosa Chacel (Colmenar Viejo, Spain)

- Total Scored: 38/45
- IB EE (Extended Essay) in History awarded with high grade (38/40)
 - Extended Essay title: "To what extent did George Orwell's experience in the Spanish Civil War shaped his later works?"

PERSONAL PROJECTS

Mapache Server

Mar-May, 2022

Fully functional HTTP Web Server

Implemented HTTP Requests and Responses, with full compatibility for the HTTPS protocol via TLS-OpenSSL certificates. Fully capable of displaying HTML pages with images, GIFs, and executing Python & PHP scripts. Support for directory index listings, and user-customized configuration files. [It can be found on GitHub.](#)

Hera Home Assistant

Feb-Jun, 2022

Simple client-server architecture for a domestic voice assistant

Homemade domestic assistant based on Alexa/Siri. Custom designed TCP Client-Server protocol, in order to have it functioning for all devices in a private LAN. Connected with external API for retrieving the weather in any given city of the globe. [It can be found on GitHub.](#)

SKILLS

Programming Languages

Frameworks & Data Science

Other technologies

Spoken Languages

Project Management

Personal Skills

C/C++, Python, Java, DHTML, SQL

Docker/Kubernetes, MongoDB, Django

Debian-based Linux systems, Microsoft Excel

Spanish (mother tongue), English (fluent, CEFR-C2 certificate)

SCRUM, Agile & Traditional Methodologies

Creativity, Self-Discipline, Teamwork Organization, Driving License