



# Daniel Barahona Martín

Computer Engineering

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

## SUMMARY

Upcoming Computer Engineer, currently studying at the Polytechnic Superior School (Autonomous University of Madrid). 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.

## EDUCATION

### Degree in Computer Engineering

2019 - 2023

*EPS-UAM (Madrid, Spain)*

- Average of 8.82 / GPA equivalent: 3.5.
- Grades with highest honors (distinction) in 8 out of 32 courses.
- Awarded with 2022 Madrid's Excellence Scholarship for Engineering Students

### Online course in Docker & Kubernetes

May-July, 2022

*AcadeMind on 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?"

## SKILLS

*Programming Languages*

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

*Frameworks & Data Science*

Docker/Kubernetes, MongoDB, Django

*Other technologies*

Linux operating systems, Microsoft Excel

*Spoken Languages*

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

*Project Management*

SCRUM, Agile & Traditional Methodologies

*Personal Skills*

Creativity, Self-Discipline, Teamwork Organization, Driving License

## 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](#), or in [its own homepage](#).

## **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](#).