

Daniel Barahona

COMPUTER ENGINEERING

Salvador Sánchez Frascuelo 6, Moralarzal (28411), Madrid, SPAIN

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Summary

Upcoming Computer Engineer, currently studying at the Superior School of Computer Engineers (Autonomous University of Madrid, Spain). Avid reader and learning enthusiast. Interested in devising 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,

EPS-UAM (MADRID, SPAIN)

Madrid, Spain

Sep. 2019 - Present

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

International Baccalaureate Diploma,

IES ROSA CHACEL (COLMENAR VIEJO, SPAIN)

Colmenar Viejo, Spain

Sep. 2017 - Jun. 2019

- Total scored: 38/45
- IB Extended Essay (EE) 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?"
- Research Topics: History
- Supervisor: Joaquín Herrero Lorente

Personal Projects

Mapache Server

FULLY-FUNCTIONAL WEB SERVER

C

Mar. 2022

- Implemented HTTP Requests and Responses, and their most important codes (200, 400, 404, 500).
- Fully capable of displaying HTML pages with images, GIFs, and executing Python & PHP scripts.
- [Available here](#)

Hera

'ALEXA'/'SIR' CLONE MADE WITH PYTHON

Python

Jun. 2021 - Apr. 2022

- Used the JavaScript Speech Recognition API for the browser to capture users' voice and execute commands.
- Implemented it by a TCP Client-Server system, in order to have it functioning for all devices in a private LAN.
- Connected with OpenWeatherMap API for retrieving the weather in any given city of the globe.
- [Available here](#)

Ares

COMPILER FOR A CUSTOM PROGRAMMING LANGUAGE

C / Yacc / Lex

Feb. 2022

- Created a lexer with Flex & Bison.
- Learned about programming languages, x86 assembly, and also deepened knowledge in C and the Makefiles.
- [Available here](#)

Skills

Programming Languages	Python, C/C++, HTML/CSS/JavaScript
Frameworks & Data Science	SQL, MongoDB, Django
Project Management	SCRUM, Traditional Methodologies
Spoken Languages	Spanish (first language), English (CEFR C2)
Personal Skills	Creativity, consistency, self-discipline, eloquence