

Julio David Hernández Segura



CORE COMPETENCIES

- Backend development and knowledge of Frontend
- Hardware and software engineering
- Data Processing and management
- Continuous integration/development
- Technical writing documentation
- Software Clean/Testing/deployment

WORK EXPERIENCE

Porter / Housekeeper

HOSTEL BARNACLES, DUBLIN | 10/2021 - 01/2022

HOTEL TORCHIO ASCONA | 09/2022 - 11/2022

- Manage Storage and have a control of the inventory.
- Maintain Storage in order.
- Carry linen to the housekeepers.
- Keep the build clean.

Logistic And Recreation

UNIQUINDIO | 03/2016 - 08/2020

- Plain and execute Events.
- Work with groups of people and guide them.
- Flexible and problem-solving during the public relations

EDUCATION

Code institute (Merit)

FULL STACK WEB SOFTWARE DEVELOPER DIPLOMA

2022-2023

- During my study I have done 5 projects where I could get skills in HTML, CSS, JavaScript, python.
- I have learned to use frameworks like DJANGO, flask.
- I have learned how to connect and deploy projects with external APIs and Online Server, interact with the databases and create test code.

Universidad Del Quindío (High Quality)

ELECTRONIC ENGINEER 2015-2020

- My thesis was a smart microscope to detect the contact angle of a drop of water (6 uL) with a material surface to get humidity properties with 4.9 / 5.0 note.
- I have worked in different projects like smart parking, recognize plates, use databases, real-time software and more.

PROJECTS

- A clever microscope that uses the contact angle to determine the humidity properties Image processing was used with a Python-based technique, an Arduino (C++) was used to trigger the motor that brought the water drop, a circuit was used to operate the motor, and finally, bash was used on a Raspberry Pi as the user interface.
- E-Commerce Handmade Store, where the abilities were combined to create a website where customers could add items to their shopping carts using the Stripe service and leave comments on the articles about their experiences. Customers could also register, log in, and log out, while admin users could add, update, and remove products and categories.
- A weekly meal planning website created with the Django framework allows users to organize their meals, add meals to the database in Elephant SQL, which is based on PostgreSQL, and blog about their experiences.
- Google Sheets can be used to monitor the Library Manager internet application, which uses the Gspread API to manage the Library's stock.
- Using a website with a focus on JavaScript, I created a classic car game.
- Dedicated HTML and CSS website showcasing my responsive design and Git usage abilities.

TECHNICAL PROFICIENCY

Programming languages: C, C++, Java, JavaScript, SQL, HTML, CSS, Python, Matlab, bash, Verilog.

Libraries, Tools and frameworks: Git, Auth0, Django, flask, allauth, summernote, crispy-forms, stripe, cloundinary, bootstrap, gspread API, Android Studio.

Databases: PostgreSQL

Operating Systems and environments: Atom, Visual Studio Code, Gitpod, Android, Eclipse, Linux and Windows environment.

CONTACT

Phone: +41 (0) 79 558 08 92

Email: david-hd97@hotmail.com

Address: Via valletta 10 6516 Cugnasco, Switzerland.

Portfolio: <https://jdhernandezs1.github.io/Portafolio/>

LinkedIn: <https://www.linkedin.com/in/9david-hernandez7/>

GitHub: <https://github.com/jdhernandezS1>

Spanish: Native

LANGUAGES:

Italian: B2

English B2

REFERENCES

JORGE IVÁN MARÍN HURTADO, Ph.D.

Leader of the Research Group on Digital Signal Processing and Processors-GDSPROC

Professor at the Electronic Engineering Program

Universidad del Quindío

Armenia, Quindío, Colombia

Tel. +57 3113540268

email: jorgemarin@uniquindio.edu.co

Mohamed Shami BackEnd Software Developer.

m.shami07@gmail.com