






MARCOS VALENZUELA

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 11/nov/1994
 Forlimpopoli (F.C.), Italy
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Work Experience

Researcher and Developer / Digital Holographic Microscopy, Universidad de Oriente, Cuba — September 2018 - November 2020.

Part of the research and development team, focusing on algorithm development, image processing, and software development for the capture and processing of holograms.

Freelance Web Developer / Various Projects, 2023 - Present

Over the past year, I have taken on freelance projects, creating landing pages and handling small private tasks.

Skills

Frontend:

Html, Css, Bootstrap,
Tailwind, Javascript/
Typescript, ReactJs, NextJs

Backend:

Node.js, Express,
MongoDB, PostgreSQL,
Python

Tools:

Figma, Matlab, VScode/
Neovim, Blender, Inkscape.

Education

Start2Impact University, Italy — Full Stack Web Developer.

July 2021 - Present.

Studies in web development, including frontend, backend, testing, and frameworks.

Universidad de Oriente, Cuba — Specialization Course in Optics and Holography.

September 2018 - July 2019.

Advanced studies in optics and holography, with a particular focus on applied programming and algorithm development. Matlab. Simulink. Python.

Universidad de Oriente, Cuba — Bachelor's Degree in Physics (BS, Physics).

September 2013 - July 2018.

Studies in theoretical physics, optics and spectroscopy, programming, and algorithm development.

Languages:

- Spanish (Native)
- Italian (B2)
- English (B2)

Projects

Devjobs WebApp / Jobs Web App.

<https://devjobs-web-app-five.vercel.app/>

Tongue API / RestFULL API.

<https://tongue-api.vercel.app/>

Frontend Feedback App / Feedback Web Platform

<https://frontend-feedback.vercel.app/>

Art Gallery Website / Landing Page

<https://dantalian5.github.io/Art-gallery-website/>

Papers

Alternative use of Reflection Spatial Light Modulator in Phase Shifting
Digital Gabor Holography.

Optik — feb 2021

<https://doi.org/10.1016/j.ijleo.2021.166609>