

MARÍA JOSÉ JARA HERRERA

Computer and Systems Engineer - Developer

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PROFESSIONAL PROFILE

Systems and Computer Engineering student at the National University of Colombia with a solid background in software development and a particular focus on web technologies and automation. I stand out for my experience in the development of fullstack projects, using technologies such as Python, JavaScript, React and Node.js. I have a significant background in creating interactive applications and video games, demonstrating versatility and adaptability to different development environments.

ACADEMIC BACKGROUND

- Systems and Computer Engineering - Universidad Nacional de Colombia - 2020 – Current
- Academic Baccalaureate - I.E. Claretian Gustavo Torres Parra - 2019

COURSES AND CERTIFICATIONS

- Microsoft Dynamics 365 (CRM, NAV, AX) Intro Training Course - Udemy - 2025
- Keeping Track of Activities in Dynamic 365 for Sales - SkillsSoft - 2025
- Automation Anywhere 360 A2019 - Complete RPA Training Course - Udemy - 2025
- Power BI - Fundamentals - EY Global Limited - 2025
- Unconscious Bias - Disability - EY Global Limited - 2025
- Backend with Python - Universidad de los Andes - 2025
- Wordpress for Beginners - Master Wordpress Quickly - Udemy - 2025
- Concurrency - SkillsSoft - 2025
- Introduction to Inclusive Leadership for All - EY Global Limited - 2025
- English Development Series Exploring Futures Thinking in the age of IA - EY Global Limited - 2025
- PL-900T00-A: Microsoft Power Platform Fundamentals - Microsoft Learn - 2025
- Writing Prompts and Practical Uses for AI and GPT Chat - Udemy - 2025
- AI Agents - Transforming Complex Businesses and Processes - Udemy - 2025
- AI Now 2.0 - Use GEN AI as your Thought Partner - (Module 1 - 2) - Coursera - 2025
- Artificial Intelligence Course - Principles and Fundamentals - Universidad del Rosario - 2023
- Course in Coding and Programming in Python - Universidad del Rosario - 2023
- Skills for Life - SENA - 2023
- Python Programming Course - WIE UNAL - 2021
- Computer Architecture - SENA - 2021
- Innovation Laboratory - Practical Workshop on Programming for All - Universidad Nacional de Colombia - 2021
- Third Person Video Game Design with UNITY - SENA - 2020
- Information Management Competencies - Universidad Nacional de Colombia - 2020

- Induction to University Mathematics - EAN Universidad - 2020
- Introduction to Programming - Carlos Slim Foundation - 2020
- C++ Programming Level 0 to 2) - SENA - 2019
- Strategies for Reading Comprehension Improvement - SENA - 2019
- Adobe Photoshop - SENA - 2019
- English Dot Works (Level 0 to 7) - SENA - 2019 - 2020
- Design and Prototyping - SENA - 2018
- Techno academy: Contextualization in Science, Technology and Innovation - SENA - 2018

SKILLS

- **Programming Languages:** Python, C++, Java and JavaScript.
- **Backend:** JavaScript, NodeJS and Python.
- **FrontEnd:** HTML, CSS, JavaScript and React.
- **DataBase:** MySQL and PostgreSQL.
- **Automation and RPA:** Microsoft PowerApps and Automation Anywhere.
- **Other Programming Tools or Languages:** WordPress, MATLAB and UNITY.

PROJECTS

PlanifiKlub – React, Node.js, JSX, Supabase.

<https://github.com/luisdiazv/planifiklub>

Web platform dedicated to country clubs for the reservation of buildings for their events

NodeMailer Web Service - PlanifiKlub – JavaScript, API.

https://github.com/luisdiazv/pk_EmailService

API for the e-mail function of the PlanifiKlub platform.

Cake Delivery – Python, Compilador.

<https://github.com/camunozv/CakeDelivery>

Compiler that works as a simple game of RPG genre with an aesthetic similar to games of the 80s era.

Heladería – Python, Flask, SQLAlchemy.

<https://github.com/StoryChara/PROYECTO3-mjarah>

Web project using Python Flask, project done in a course at Universidad de los Andes.

Punch-Out!!! – JavaScript, HTML, Processing.

<https://github.com/StoryChara/punch-out>

Recreation of the Nintendo Punch-out game, of the battle level against Myke Tyson.

Angry Birds – JavaScript, HTML, Processing.

<https://github.com/StoryChara/Angry-Birds>

Recreation of the first level of the Angry Birds game by Rovio.

Fog Shader – JavaScript, HTML, Processing.

<https://github.com/StoryChara/Fog-Shader>

Fog Shader, adjustable distances

Cartidy – Python.

<https://github.com/StoryChara/Cartidy>

Magi chart organizer using different types of data structures.

Duck Hunt – JavaScript, HTML, Processing.

<https://github.com/StoryChara/Duck-Hunt>

Recreation of Nintendo's Duck Hunt game, becoming an infinite game, without levels.

Stonehenge – JavaScript, HTML, Processing.

<https://github.com/StoryChara/stonehenge>

Creation of Stonehenge with figures, using translates and rotates.

Tangram – Java, Processing.

<https://github.com/StoryChara/tangram>

Tangram game with several levels or the option to create your own level.

Stardew Time – JavaScript, HTML, CSS.

https://github.com/StoryChara/Stardew_Time

Modified watch for a Stardew Valley roleplay along with all the in-game purchase information.

LANGUAGES

- **Spanish:** Native level.
- **English:** Level B2.
- **Japanese:** Level N5.

OTHER SKILLS

- Inclusiveness.
- Gender Equality.
- Design and Prototyping.
- Photoshop and Canva.
- Management and Creation of Content for Social Networks.

EXPERIENCE

Intern CS. Current

I am in charge of helping in the area of Technology Consulting - AI & Data

Technologies: Automation Anywhere, Microsoft PowerApps.

Student Assistant. 2025

I was in charge of resolving students' doubts and grading assigned work in the course.

Technologies: C++

Student Assistant. 2025

I was in charge of resolving students' doubts and grading assigned work in the course.

Technologies: Python

Cashier. 2018 - 2019

I was in charge of the collection of the services and lunches offered in the restaurant, customer service.

Technologies: - - -

REFERENCIAS**Jenny Poveda - Family**

Physiotherapist

3005542873 / 3195046265

Carolina Jara - Family

Systems Engineer UNIMETA

3017568354

James Olaya - Personal

Physics Graduate and Teacher

3057460299 / 3192615777

Diego Caro - Personal

ASUS COLOMBIA Systems Engineer - Web Designer

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