



JACKSON MERMA

SYSTEMS ENGINEER

ABOUT ME

I am a passionate programming enthusiast and a dedicated eighth-semester university student. Currently, I am actively seeking opportunities to gain substantial work experience and immerse myself in a dynamic learning environment. Eager to expand my skills and knowledge, I am seeking hands-on experience that allows me to delve into real-world projects and learn from experienced professionals. I am confident that my dedication and thirst for learning will contribute significantly to any work environment.

WORK EXPERIENCE

DJANGO DEVELOPER

Hero Startup

September 2023 - Present

- Implementing payment methods through the MercadoPago API.
- Creating prompts utilizing the OpenAI API.
- Conducting debugging and troubleshooting to ensure efficient code performance.

Technologies used: Django, Python, OpenAI, SendGrid, MercadoPago, Git

INVESTIGATOR

Research Center, Technology Transfer, and Software Development R&D CiTeSoft - UNSA

June 2022 - June 2023

- Junior C# Developer with a focus on video game development using Unity.
- Debugging and optimizing code for seamless gameplay experiences.
- Integrating graphics for comprehensive patient progress analysis within the game.
- Junior Python Developer specializing in Data Analysis through Regression techniques.

PROJECTS

- **Virtual Rehabilitation System to improve manual dexterity: a homebased approach (RISTI paper publication 2023):** Implementation of a data analysis module for patient progress review in a video game using C# and Unity.
- **Decision Tree and Clustering for Creating an Obesity Predictive Model (2023):** Application of AI techniques for classification model creation using a Machine Learning approach in Python.
- **Application of Unit testing in the Odoo system within the Employees module (2023):** Use of unittest and Selenium in Python to optimize black box testing.
- **Stanford Tetris Project (2022):** Creation of unit tests with JUnit, design patterns in Java.
- **Game of Life (2022):** Creation of unit tests with JUnit - Maven.
- **Carnegie Mellon University-Data Labs & Bomb Lab (2022):** Problem-solving on bit-level programming and low-level hacking in C.
- **Image Processor (2021):** Image processing in C++ using data structures and algorithms.

- 📞 +51 913068513
- ✉️ jinnbit@gmail.com
- 🌐 [JackMerma](#)
- 📄 [Jackson Fernando Merma](#)
- 🌐 [Jackson Merma](#)

EDUCATION

University

2020 - Present

National University of San Agustín

AWARDS & CERTIFICATIONS

- Top 50 Argeniss Codeclash - Beecrowd 2023
- NASA International Space Apps Challenge 2023 certification
- Meta Hacker Cup 2023 - recognition for progressing to Round 1
- Top 50 Argeniss Codeclash - Beecrowd 2022
- 4th place in competitive programming contest - Computer Science UNSA 2022

VOLUNTEERING

- Member of the ACM UNSA Student Chapter 2023

SKILLS

- Java, C/C++, Python, C#, JavaScript, SQL, MySQL, Angular, Node.js
- Django, Unity, React, JUnit, Selenium, PyTest
- Machine Learning, Neural Networks, Data Analysis
- Data structures and algorithms
- Git, GitHub, GitLab
- Linux, Google Colaboratory
- Competitive Programming
- Basic understanding of cybersecurity principles
- English (intermediate level)