Christian Emmanuel Cruz Reyes

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ABOUT ME

I am a Systems Engineering graduate with a strong passion for software development and data science. My academic background and professional experiences have equipped me with a solid foundation in programming, data analysis, and systems development. My goal is to leverage cutting-edge technologies to build impactful solutions that address real-world problems.

EDUCATION

Tecnológico de Estudios Superiores de Jocotitlán Graduating in May 2024
Bachelor of Computer System Engineering *GPA 3.3/4*

Google January 2025 - Present
Machine Learning Engineer

WORK EXPERIENCE

Tenaris Tamsa CDMX, México
Trainee Applications and Cloud Technologies November 2024 – Present

- Conducted research and implementation of Docker to create containerized images of enterprise systems, optimizing deployment processes.
- Collaborated in setting up CI/CD pipelines in Azure DevOps using YAML scripts and tools like Ansible to ensure streamlined software delivery and automation.

Corvus Data Toluca, México
Jr Full Stack Python Developer (Internship) September 2023 – April 2024

- I contributed to the design and development of both client-side and server-side web applications for major projects, including the Cetram Project for the Mexico City Government and Kalan for a veterinary chain in California.
- I identified and resolved issues and bugs in the code and functionality of the applications, thus optimizing the workflow and improving the user experience.
- I performed database queries, ensuring smooth and efficient interaction between the application and the database, resulting in optimal performance and fast system response.

IUSA Jocotitlán, México
System Engineering Internship March 2022 - September 2022

- Migrations of computer equipment, Corrective and preventive maintenance of equipment.
- Software installation to Linux and Windows computers.
- Configuration and installation of network switches and network phones.

MAJOR PROJECTS

Home Price Prediction System 2023
The Objective was to predict home values through comprehensive data analysis, using modeling techniques and machine learning algorithms, to provide accurate and reliable estimates of property values.

- Analysis of houses by location, number of rooms, age of house, population of location, median income.
- Use linear regression modeling, supported by historical data and relevant variables, to accurately predict property prices.

Clone of the snake 2022
I developed a Python game with pygame library, where I learned Good object orient programming practices in python.

- This was a personal project that I developed during pandemic.

Database for a hospital 2022
I developed a database using the Oracle manager, in addition, I created a java interface that allow automatic queries to database.

- The database was developed from scratch using best practices such as entity-relationship, 4NF, access control and so on.
- The Java interface facilities the automatic execution of queries.

Facial recognition system 2021
During the pandemic, I develop a face recognition system using convolutional neural networks.

SKILLS

PROGRAMMING LANGUAGES

3 years: Python
1 years: Java / C
6 months: JavaScript

TECHNOLOGIES

HTML, CSS, Git, GitHub, Django, Bootstrap
Excel, Linux, Oracle, MySQL, PostgreSQL
Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Fast API

Certifications

Python - CISCO (2023)
SQL – HACKER RANK (2024)

ONLINE COURSES

Data Analytics (Google, 2024), Introduction to AI with Python (Domestika, 2023), Data science with Python (IBM, 2023), Python for facial recognition (Udemy, 2021) and Fast API(Udemy, 2024)