Enrique Islas Osorio

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Abilities

- | C | Python | Pine Script | Java | HTML | CSS | JavaScript | Ruby | SQL | Selenium | ISTQB | Excel | Git | GitHub | Jira **|** Zephyr
- Programming Logic | Software Development | Object-Oriented Programming | Testing | Testing | Machine Learning
- Proactive | Self-taught | Teamwork | Responsible | Innovation | Adaptability | Quick Learning | Problem solver

_____ Education

Computer Systems Engineering	ESCOM, IPN	08/2020 - 12/2024 (expected)
Computer Technician	CECyT 8 "Narciso Bassols" IPN	08/2017 - 08/2020

Experience / Projects

Tester QA   2023-2024

- Participation in agile **Scrum methodology**, collaborating with the development team to ensure continuous delivery and improvement continuous of the product.
- Used tools such as **Jira, Zephyr and Bitbucket** for comprehensive project management, testing and version control, optimizing the Test planning and execution.
- Creation and follow-up of incident tickets and improvements, ensuring product quality at all stages of development.
- Implementation and maintenance of automated tests using **Ruby, Appium, Selenium and Cucumber**
- **Comprehensive documentation** for test automation, making it easier to understand and maintain automated code.

Summer Program at Citibanamex - Enterprise Architecture   June 2024 - August 2024

- Implemented a GitHub repository from scratch to manage architecture diagrams in ArchiMate, establishing rules for the master branch, such as mandatory reviewers in Pull request and rules for commits and pushes.
- Documented the entire process and rules established in **Confluence**, ensuring a structured and controlled workflow.
- I presented to a forum an issue related to difficult access to information and slow processes in the team. I proposed an AI-based solution using *Retrieval-Augmented Generation* (**RAG**) that would allow quick access to bank information and automation of architecture diagrams.

Personal Project: AI Development Assistant at Pine Script   2024

- I used web scraping with **Python** and **Selenium** to collect Pine Script scripts, retrieving both the code and the associated descriptions.
- **Cleaned up data** from incomplete or non-functional scripts and cleaned up unnecessary comments from remaining scripts.
- I used **prompt engineering** to analyze the scripts and generate summaries with the most relevant syntax and mode of use, optimizing the use of tokens.
- With the scripts debugged, I provided the **AI** with more context, which improved its accuracy and effectiveness as a custom Pine Script assistant.

PineScript developer.   06/ 2021- 12/2022

- Designed and developed a trading automation system with **Python and Flask**, integrating Trading View alerts and executing Quantfury commands through web scraping overcoming the lack of an API.
- **Optimized** existing scripts to improve **efficiency** and results.
- Collaborated with clients to **identify their needs and provide** effective coding solutions. Performed quality tests and Debugging scripts to ensure proper operation.

Machine Learning and Natural Language Processing   2023

- Tumor classifier (benign malignant): Worked with a challenging database, addressing problems such as missing values, Class imbalance and outliers using preprocessing techniques. Implementé k-fold cross-validation para comparar y Select the most effective ranking algorithm.
- Developed a comprehensive Sentiment Analysis project, focused on determining the polarity (positive or negative) of reviews. The Key stages included corpus preprocessing, text rendering, and model deployment and training machine learning.