

Santiago Iván Reyes Medina

5533467946 | santiago_reyes@ciencias.unam.mx | GitHub

Skills

- Java | Python | JavaScript | Haskell | PostgreSQL | Postman | Relational Databases (RDB) | FrontEnd Development (HTML, CSS, JS) | MongoDB | Git | GitHub | Linux | LaTeX | Excel | English: B2 level (Conversational) | Professional Proficiency in Spanish

Professional Experience

Software Development	Projects	05/2022-Present
<ul style="list-style-type: none">Implementation of data structures and algorithms to develop efficient solutions.Creation of a visual data structure plotter through vector manipulation.Design and assembly of digital circuits using logic gates; developed an assembly-language counter for arithmetic operations.Development of a Java-based client-server chat application, ensuring reliable communication via TCP/IP.Design and implementation of relational database systems, including complex SQL queries for data analysis.		

Editorial Luis Vives	5/2024-Present
<ul style="list-style-type: none">Participation in the illustration of mathematics books by creating precise graphs and diagrams using GeoGebra, MATLAB, and Python, ensuring clarity in the visual representation of complex concepts.	

Independent Service IUSTIT IA SAS DE CV	Present
<ul style="list-style-type: none">Provision of specialized technology solutions, including installation of local and remote networks for a legal firm to enhance connectivity and security.Complete configuration of operating systems across all devices for optimal performance.Implementation of a cloud system to improve team collaboration and productivity.Ongoing hardware and software maintenance services.	

Team Projects	UNAM	UNAM, Faculty of Sciences	5/2022-Present
<ul style="list-style-type: none">Collaboration in software development projects, leveraging Git and GitHub for version control, team coordination, and maintaining a comprehensive change history.			

Algorithmic Trading Framework	Personal Project	07/2024-Present
<ul style="list-style-type: none">Developed an advanced algorithmic trading framework in Python.Implemented a data delivery management system using Pandas and Event Queue.Designed a Position Sizing module to calculate and manage risk and position sizing based on percentage allocation.Automated trade execution using the MT5 API.Integrated trading alerts with Telegram to notify when specific investment strategy parameters are met or trades are automatically opened/closed.Deployed the framework on AWS Cloud to enhance performance.		

Investment Portfolio Management	Personal Project	03/2024-Present
<ul style="list-style-type: none">Management of an investment portfolio across various markets, including stocks, currencies, commodities, and cryptocurrencies, with active position management aimed at seeking returns. Developed a risk management strategy to mitigate potential losses and optimize portfolio performance.Application of technical analysis knowledge on price charts and fundamental analysis using economic calendars for decision-making.		

Education

Bachelor's Degree in Computer Science	F. Ciencias UNAM	MEXICO, CDMX	2022 - Present
<ul style="list-style-type: none">Bachelor of Computer Science, National Autonomous University of Mexico (UNAM), currently enrolled in the sixth semester.			