

Santiago Iván Reyes Medina

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Skills

• Java | Python | JavaScript | Haskell | Prolog | Racket | OpenGL | Assembly | CLIPS | Software Design Patterns | Parallel Programming | Object Oriented Programming | Functional Programming | Logic Programming | Matrix Management | Frontend | Backend | Full-Stack | MongoDB | Node | React | MySQL | Git | GitHub | Linux | Cloud Computing | LaTeX | Excel | Inglés B2 | Professional Proficiency in Spanish

Professional Experience

Software Development

Projects

05/2022-Present

- Developed Data Structures and Sorting Algorithms.
- Developed a visual data structure plotter by manipulating vectors.
- Designed and assembled digital circuits using logic gates, as well as developed a counter in assembly language for arithmetic and logic operations.
- Implemented matrix operations in Java using threads for parallel processing.
- Developed a program that manipulates images in Java using threads for parallel processing.
- I implemented graphics in C using OpenGL for interactive simulations.

Editorial Luis Vives

5/2024-Present

- I participate in illustrating mathematics books by creating accurate graphs and diagrams that visualize complex mathematical concepts using GeoGebra, MATLAB, and Python, ensuring clarity and precision in the visual representation.

Independent Service IUSTIT IA SAS DE CV

Present

- I offer specialized technology solutions. I led the installation of a local and remote network for a legal firm, ensuring efficient and secure connectivity for all its employees. I handled the complete configuration of operating systems on all devices, ensuring their optimal performance.
- Additionally, I implemented and configured a cloud system to improve accessibility and collaboration among teams, thus optimizing productivity and communication. Currently, I provide ongoing maintenance services for hardware and software.

Team Projects

UNAM

UNAM, Faculty of
Sciences

5/2022-Present

- I have participated in collaborative software development projects, using Git, GitHub, and other version control systems to manage code, facilitate team collaboration, and maintain a detailed history of changes made to the projects.

Personal Project

03/2023-Present

- I developed a Java client-server application for a chat system, implementing TCP/IP connections to ensure reliable communication.
- The application supports multiple simultaneous connections with integrated thread management for real-time interaction.
- I designed an intuitive graphical interface to allow users to interact easily with the application. I used event controls to manage the data flow, ensuring that all users received and sent messages consistently and in real-time.
- The goal of the project was to maintain secure and efficient communication in a multi-user environment, optimizing both user experience and system performance through the use of robust synchronization protocols.

Investment Portfolio Management

Personal Project

03/2024-Present

- 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

- Currently studying Computer Science at the National Autonomous University of Mexico (fifth semester).