Sergio Rodrigo Ortiz Aviña

serchorav@gmail.com   +52 55 3574 6547   github.com/SergioDevSt
                                                        linkedin.com/Sergio-Ortiz

EDUCATION

National Autonomous University of Mexico   Graduating in July 2026
Bachelor of Science in Computer Engineering   GPA 3.3/4
National Autonomous University of Mexico   Graduated in July 2021
Associate degree in Computer Systems, Software Development   GPA 3.7/4
National Autonomous University of Mexico   Graduated in July 2020
Associate degree in Basic Mechatronics   GPA 3.7/4

WORK EXPERIENCE

Premium Restaurant Brands   Santa Fe, Ciudad de México, México
Database, Java and CRM developer   January 2023 - Present

- Designed and developed a JavaScript-based dashboard, enabling real-time monitoring of financial services, reducing data retrieval time by 25-50%.
- Implemented solutions with Microsoft SQL, Braze, and Postman to enhance database consistency, generate over 10,000 unique client coupons monthly, and streamline CRM attribute updates via API, improving CRM data consistency.

MetLife México   Mixcoac, Ciudad de México, México
Data & Digital   January 2022 - January 2023

- Conducted in-depth data analysis using Python, streamlining report generation and enhancing decision-making speed.
- Developed Python and Selenium-based scripts to automate customer data validation and reporting, achieving a automation of 90% in manual processing and reducing errors by 10%, ensuring higher data reliability and freeing team resources.

Instituto Bilingüe Rudyard Kipling   Satélite, Estado de México, México
Software development consultant   May 2021 - October 2021

- Collaborated with informatic team to develop a structured class model in Google Workspace, enhancing digital classroom efficiency and improving user experience for 5000+ teachers and students.
- Established secure domain protocols and implemented rule-based access control, improving the online security of over 5000+ users and reducing security breaches.
- Developed an automated Google Sheets script, streamlining the setup of over 30000+ Google Classrooms and reducing manual setup time by 45 hours weekly.

MAJOR PROJECTS

Artificial Intelligence (Instituto de Investigaciones en Matemáticas   August 2022 - December 2023
Aplicadas y en Sistemas, UNAM)
AI to detect and process hand landmarks in images and real-time video.

- Developed an AI model for real-time hand landmark detection using MediaPipe Hands, achieving 75% accuracy in processing hand landmarks in both images and video.
- Processed and loaded images with MediaPipe Hands for accurate hand detection, increasing processing speed by 10% for real-time applications.
- Conducted research on Raspberry Pi single-board computers, identifying potential applications for cost-effective AI deployment in educational tools and robotics.

CERTIFICATIONS

Google Certified Educator Level 1   September 2020
Certification for Google Workspace

SKILLS

Languages: C++ (5 years), Python (3 years), JavaScript (2 years), Java (1 year)
Frameworks and Libraries: Node.js, MediaPipe Hands
Tools and Databases: SQL, MongoDB, Google Workspace, Selenium, Postman

TECHNOLOGIES

Advanced English, HTML, Node.js, Google Workspace, Docs, Sheets, Word, Excel, PowerPoint, Visual Studio, SQL, MongoDB, Gmail.

ACHIEVEMENTS

14th Place Mexico IEEXtreme 2024
2nd Place Hackathon Change Makers FI UNAM 2023
10th Place Mexican Robotic Tournament 2019