



Alejandro Cisneros Ocampo

MECHATRONICS ENGINEER

Mechatronics Engineer from UNAM specialized in blockchain and Industry 4.0. Experienced in developing applications for automation, artificial intelligence, and microcontrollers. Skilled in information security and database management. Committed to continuous learning and applying knowledge to challenging projects.

LABORAL EXPERIENCE

- ◆ **Blockchain and Web3 Research**
Algorand Center of Excellence, Mexico City, February - October 2024
 - Installed and configured Ethereum network nodes.
 - Documentation and technical procedures.
- ◆ **Training Instructor**
PROTECO UNAM, Mexico City, January 2020 - December 2022
 - Taught courses on Python, Advanced Excel, Computer Assembly, Digital Forensics, Cybersecurity, and Advanced Arduino.
- ◆ **Object-Oriented Programming Instructor**
Blockdemy, May 2021 - December 2021
 - Provided Java programming training focused on blockchain to international clients.
- ◆ **Bash Shell and GNU/Linux Instructor & Facilitator**
Cloud Service & Training, January 2020 - October 2020
 - Trained company personnel in Linux server administration commands.



HIGHLIGHTED PROJECTS

'Fschool' Learning Platform

- Description: Learning platform focused on Industry 4.0 and 5.0.
- Link: [Fschool](#)

Symmetric and Asymmetric Encryption System for Bash Shell “Criptonita”

- Developed with: Shell Scripting
- Technologies: Bash, encryption methods, GPG, and Linux
- Link: [Criptonita](#)

Application for Managing and Scheduling Ophthalmology Clinic Appointments

- Developed with: C# & XML
- Technologies: .NET Framework and Firebase

IoT Product Design for Monitoring Home Electrical Installations

- Developed with: C++ and Ulrich Methodology
- Technologies: Sigfox, Losant, and NXIoT

TECHNICAL SKILLS

Programming: C#, Java, Python
Web Design: HTML/CSS, Bootstrap, UI/UX
Databases: SQL, NoSQL
CAD Software: NX, Autodesk
Productivity Tools: Google Drive, Microsoft Office
Operating Systems: Windows, Linux
Version Control: Git, GitHub
AI Tools: Llama 2, GPT-4 and Stable Diffusion

SOFT SKILLS

Critical thinking
Effective communication
Leadership
Proactive attitude
Public speaking
Teamwork

CONTACT

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- Benito Juárez CDMX
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- [github.com/ACO-626](#)

LANGUAGES

- **Spanish:** Native
- **English:** Conversational

EDUCATION

- **Mechatronics Engineering**
– Faculty of Engineering, UNAM (2018-2024 [in the process of obtaining degree])
- **Computing Technology Program** – PROTECO, UNAM (2019-2020)

CERTIFICATIONS

- Foundational C# Microsoft (2024)
- NEAR Elementals OWA (2024)
- Diploma in Cybersecurity FI-UNAM (2021)

FIELDS OF INTEREST

- Industry 5.0
- Economics
- Programming

RELEVANT COURSES

- Blazor in Web Applications – Microsoft Learn (2024)
- Blockchain Consultant Professional – Blockdemy (2021)
- Java 13 – PROTECO (2019)