



# 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

- @ acocisne@gmail.com
- +52 (55) 7912 9388
- Benito Juárez CDMX
- [linkedin.com/in/a-cisneros](#)
- [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)