



**Luis Escárcega Corona**  
Mechatronics Engineering  
Embedded Systems, Data Scientist,  
Mechanical CAD Designer

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🔗 Click here for GitHub  
🌐 Click here for LinkedIn

## ACADEMIC TRAINING

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- **Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas IPN** 2017-2023  
*MECHATRONICS ENGINEERING*
- **Universidad Abierta y a Distancia de México** 2020-2025  
*ADMINISTRATION AND BUSSNIESS MANAGEMENT*

## EXPERIENCE

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- **Diverse Companies** 2021 - 2023  
*Designer and tester freelancer* Mexico City
  - Mechanical and electronics design in SolidWorks, Fusion 360, Proteus and Altium.
  - C Back-End developot for embedded systems.
  - Developopting electronical devices TH and SMD for Audio, educational and industrial applications.
- **Aluminio y Metales El Socorro** 2020  
*Sales Associate* State of Mexico
  - Pipes, rod, sheets of brass, Nylamid, copper, aluminium, inox and alloy steel sales man.
- **Extrusiones Metálicas** 2020  
*Junior Mechanical Maintenance* State of Mexico
  - Mechanical maintenance for the convoyers in the painted aluminium pipes area.
- **Troqueles de México** 2019  
*Junior Mechanical Machining* Mexico City
  - CNC, Lathe and Milling Machining for maintenance die machines.
- **Fibras Plásticas de México** 2017  
*Junior Mechanical Maintenance* Mexico City
  - Giving preventive and corrective mechanical maintenance to around 30 thread winding plastic extruded machines production lines.
- **SEIRU SA de CV** 2014  
*Line PCB Assembly Inspection* Mexico City
  - Preparation for PCB's SMD and TH line. Included stencill DEK machine, automation mounting proccess and soldering oven.

## TRAININGS

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- **Courses** 2014-2023  
*Microsoft IA Center, Grupo Carso, LinkedIn Learning, CECATI 11*
  - Click in the GitHub logo for more 🔗
- **Generador Atmosférico de Agua para Uso Doméstico Autónomo Basado en Energías Renovables.** 2021-2023  
*Bachelor Degree Thesis: Developot in the mechanical, thermodynamic, temperature sensors and Microcontroller code.*
  - Tools & technologies used: SolidWorks, Fusion 360, Arduino IoT Cloud, MatLab, Cooler Pack

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** English, Spanish, Portuguese  
**Developer Tools:** Visual Studio Code, Catia, Fusion 360, SolidWorks, NX, Proteus, LabView, Altium, Matlab.  
**Frameworks/Programming Laguanges:** Django, C, C++, Python.  
**Cloud/Databases:** Github, MySQL, Azure.  
**Soft Skills:** SCRUM, Goal-oriented, Entrepreneurial Spirit, Active Listening, Creative Thinking, Resilience, Analysis, Open-minded to work in an international team  
**Areas of Interest:** Data Analytics, Embedded Systems, Mechanical CAD

## POSITIONS OF RESPONSIBILITY

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- **Member of the Honorable Student High Council, UPIITA IPN** 2018 - 2019
- **Intercultural Leader, Costa Rica ONG** 2014 - 2016

## ACHIEVEMENTS

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- **3rd Place in the Mexico City Metropolitan Chemistry Olympiad** Over 300 competitors High School 2013
- **Paper Colaborator: FAO Penman-Monteith Model applied in tomatoes** Embedded C Dev 2023