



# MELCHOR

# HERNÁNDEZ DÍAZ

IT ENGINEERING STUDENT

## CONTACT

+52 834 247 0608

melchordiaz2003@gmail.com

Mexico

- Expected graduation: April 2025.

## LANGUAGES

- Spanish (Native)
- English (Fluent)
- French (Learning)

## SKILLS

- Java
- Python
- OpenCV
- C++
- C
- MySQL
- Arduino
- LATEX
- HTML
- CSS
- PHP
- ROS
- R
- JavaScript
- LARAVEL

## PROFILE

Technology engineering student passionate about computer science and technology

## EXPERIENCES

### Robot Navigation in Semi-Structured Environments (INTERNSHIP)

UNIVERSIDAD AUTONOMA DE TAMAULIPAS, FACULTY OF ENGINEERING AND SCIENCES

APRIL 2023

- I did the project of an autonomous robot which follows a track and accelerate or brake differentiating the color. Project Leader for Robot Navigation in Semi-Structured Environments

### Greenhouse Sensor Project Assistant

UNIVERSIDAD AUTONOMA DE TAMAULIPAS - MARCH 2023

- I helped with the programming of greenhouse sensors, which, through an ESP 12-e module board and Arduino, record humidity, temperature, and CO2, send the data to a local server database, and graph and display them on a locally accessible web page. - Project Assistant

### International Summer School: From innovation to Startup

UNIVERSITY OF LOUISIANA AT LAFAYETTE'S SCHOOL OF COMPUTING AND INFORMATICS - MAY 2023

- I participated in the first summer school at the University of Louisiana at Lafayette, in collaboration with Opportunity Machine, an event attended by students from various parts of the world, including Slovakia and Brazil, to learn and carry out a startup based on technologies. Team Member

### Startup Weekend Matamoros 2023

UNIVERSIDAD TECNOLOGICA DE MATAMOROS - AUGUST 2023

- Participated in the first edition of Startup Weekend Matamoros 2023, an event in which students from diverse fields of study collaborated to propose solutions for some of the Sustainable Development Goals. Participant Project Member

### Assistant Programmer Analyst

VICTORIA CITY HALL - SEPTEMBER 2023 PRESENT

- I am an assistant from a programmer Analyst in the city hall where i do several things like working in the database, programming, etc. Assistan

## PERSONAL INFO

LINKS

</> CONTACTO

### ● Implementation of an Artificial Neural Network in an Embedded System (INTERNSHIP)

NATIONAL INSTITUTE OF ASTROPHYSICS, OPTICS, AND ELECTRONICS, PUEBLA

JANUARY 2024

- The project focuses on the implementation of Artificial Neural Networks (ANNs) in Embedded Systems, highlighting the integration of an ANN in an embedded environment.

### ● On-site academic stay for the XXIX Summer of Scientific and Technological Research of the Pacific.

NATIONAL INSTITUTE OF ASTROPHYSICS, OPTICS, AND ELECTRONICS, PUEBLA

JUNE 2024 - AUGUST 2024

- I collaborated on the project 'DEVELOPMENT OF A ROBOTIC PLATFORM FOR STEM EDUCATION.'

### ● Cisco Winter Incubation Program (CISCO WIP)

CISCO CUSTOMER EXPERIENCE ACADEMY (CX)

APRIL 2024

- Successfully completed the wip, consisting of 90 hours of specialized training designed to foster networking skills and softskills

## EDUCATION

### ● Universidad Politécnica de Victoria

BACHELOR ENGINEERING INFORMATION TECHNOLOGY ENGINEERING

SEPTEMBER 2021 - PRESENT

### ● Colegio Antonio Repiso

HIGH SCHOOL

SEPTEMBER 2018 - JULY 2021

## CERTIFICATES AND AWARDS

\* CCNA: SWITCHING, ROUTING, AND WIRELESS ESSENTIALS - AUGUST 2023

\* CCNA: INTRODUCTION TO NETWORKS - DECEMBER 2022

\* [PCEP-30-02] PCEP - CERTIFIED ENTRY - LEVEL PYTHON PROGRAMMER - NOVEMBER 2022]

\* INTRODUCTION TO IOT - JULY 2022

\* INTRODUCTION TO CYBERSECURITY - JUNE 2022

\* NETWORKING BASICS - JANUARY 2024

\* NETWORKING DEVICES AND INITIAL CONFIGURATION - JANUARY 2024

\* NETWORKING ADDRESSING AND BASIC TROUBLESHOOTING- FEBRUARY 2024

\*NETWORK SUPPORT AND SECURITY- FEBRUARY 2024

\* NETWORK TECHNICIAN CAREER PATH- FEBRUARY 2024

\* INTRODUCTION TO EMERGING TECHNOLOGIES: 2024 EDITION- APRIL2024

\*JUNIOR CYBERSECURITY ANALYST CAREER PATH - JULY 2024

\*NETWORKING ACADEMY LEARN-A-THON - JULY 2024

\*CERTIFICADO DE DISEÑO DE EXPERIENCIA DEL USUARIO (UX) DE GOOGLE - AUGUST 2024

## QUALITIES

LEADERSHIP

TEAMWORK

\* SELF-STUDY

\* CREATIVITY

\* LEARN(CURIOUS)