

## EDUCATION

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### **Tecnológico de Monterrey**

*B.S. in Computer Science and Technology*

Monterrey, Nuevo León

Aug 2022 – 2026 Jun

- Participated on HackMty during my first semester
- Special courses in Matlab and other programming languages
- Participated on several coding competitions as a freshman

### **Prepa Tec**

*Multicultural program High School diploma*

2019– 2022

- Achieved a 3.7 GPA throughout high school.
- During my last semester, I took advanced calculus and physics classes and .
- Achieved a C1 English level on the Pearson certification.
- Selected by my teachers to compete in public speaking competitions

## RELEVANT EXPERIENCES

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### **Coding Academy MTY Student**

Advanced coding and robotics extracurricular classes

2018 – 2019

- Worked with arduino, Microbit, and other microcontrollers.
- Learned basic robot building techniques with 3-D printing, wiring, protoboard use etc..
- Developed basic video games and learned computer science bases.

### **Algoritmia Club MTY Member**

Extracurricular student club to study algorithms, data structures, and coding principles

2022 – Present

- Learned Basic C++ programming.
- Learned how to use data Structures to solve complex problems.
- Learned competitive coding.

### **Michigan University Python for everybody and data structures online courses**

Python and data structures programming courses

2021– 2022

- Learned and practiced in Python
- Achieved a basic understanding and ability to use data structures.
- Developed several programs to solve real-world problems.

### **Coding contest**

Hack Mty 2022 participant, ICPC 2022 3rd Latam Regionals contest top 25%, ANIEI 2022 nacional programming contest 32/105

## PROJECTS DEVELOPED BY MYSELF

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### **Atemoc**

Water management app to reduce consumption and improve sustainability developed for HackMty in teams of 4

2022

- Developed on Python with the Kivy framework for the user interface and MySQL for the online database
- I was responsible for developing the user interface using Kivy
- The app gave optimization tips based on consumption data to improve the sustainability of the user.

### **Word processing program handling .txt files**

Python word processing program developed during data structures online course by Michigan University

2021

- Used data structures such as associative arrays and lists.
- The program automatically processed text for the user and extracted specific information.

## SKILLS AND EXTRACURRICULAR

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- **Programming languages:** Python 2 years , C++ 2 months, Matlab 2 month, Arduino 6 months, HTML5 2 month
- **Languages:** Native Spanish, C1 advanced English, B1 basic French.
- **Robotics Team** Co-captain of robotics team during middle school and member during high school
- **Basketball Team** Starting player during middle school and highschool