

# Monroy Alarcón Omar Ulises

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## EDUCATION

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- **National Autonomous University of Mexico (Graduating in December 2025)**

Mexico

*Bachelor degree in Computer Science; GPA: 3.6*

*Graduating in December 2025*

## EXPERIENCE

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### FES Acatlan

*Back-end Developer*

Naucalpan, Mexico State

*October 2022 - Now*

- **WEB PAGE OF THE CENTER OF TECHNOLOGY IN FES ACATLAN (CEDECTEC):**

- A Team and I developed the Web page of the Center of Technology of FES Acatlan used by dozens of students every day.
- I participated by creating the database, the API and the connections between the back-end and the front-end.
- **LANGUAGES:** JavaScript, Typescript.
- **TECHNOLOGIES:** Git, Trello, DBdiagram, Postman, Mysql, Nodejs.

- **TEACHER EVALUATION SURVEY SYSTEM OF FES ACATLAN:**

- A Team and I developed the teacher evaluation system for the FES Acatlan, which is used by more than 20,000 users each semester.
- I participated by helping in the design of the database, the creation of the API and the connections between the front-end and back-end.
- **LANGUAGES:** JavaScript, Typescript.
- **FRAMEWORKS:** Nest, TypeOrm.
- **TECHNOLOGIES:** Trello, DBdiagram, Postman, Mysql, Nodejs, Datagrip, Git.

## PERSONAL PROJECTS

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- **Bases Transformation Calculator:** A personal project, used to convert a number in a base to another one, for example to go from base 2 to decimal (base 10), it was developed in **c**.
- **Awk's Simulator:** A personal project designed to perform some operations made by Awk tool, this project was developed in **c** and mainly works with strings and files.

## SKILLS

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- **Languages:**
  - Proficient: C, C++ (Mainly for competitive programming), Python, JavaScript, Typescript.
  - Familiar: Java, PHP.
- **Web Development:**
  - Nodejs, nest, next, typeorm, HTML, CSS, bootstrap, MySQL.
- **Technologies:**
  - GitHub, Linux, VIM (editor), Figma, Trello, dbdiagram.io, latex.

## AWARDS & LEADERSHIPS

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- **ACM-ICPC Grand Prize of Mexico 2021**, 64th place out of 225 teams (Which allows us to get a place in the regional Mexico finals).
- **ACM-ICPC Grand Prize of Mexico 2023**, 42th place out of 458 teams (Which allows us to get a place in the regional Mexico finals).
- **Tutor of the course "Introduction to c++"** in FES Acatlan for more than 50 students (2 months, September-October)
- **Student and Tutor of the algorithm's club (GUAPA)** of FES Acatlan
- **Student and Tutor of the web development club (CIDWA)** of FES Acatlan

## RELEVANT CURSES

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- **Training Camp Mexico 2023 (2 weeks long):**

I was part of the training Camp Mexico 2023 hosted in Guadalajara, where during 2 weeks I received classes from 2 ICPC world finalist in competitive programming topics, and where I participated in competitive programming contests every day.