

Education

Technological Institute of Morelia

Morelia, MX

Bachelor of Science in Computer Systems Engineering

GPA: 3.7/4.0

Relevant Coursework: **Competitive Programming Techniques**, Data Structures & Algorithms, Web Design & Management, Database Design & Management.

Technical Skills

- **Languages:** C++/C, C#, Java, Python, JavaScript, TypeScript, SQL, PHP.
- **Cloud Technologies:** Microsoft Azure, AWS.
- **Frameworks:** Django, Flutter, NodeJs, Spring Boot, Angular, React.

Experience

President & Founder – Algorithms Club

Technological Institute of Morelia, Aug 2024 – Present

- Founded and led the university's first competitive programming club, growing it to **40+ active members** in less than a year.
- Designed and delivered a **structured training curriculum** in algorithms and data structures, increasing members' average competitive score by **75%** in ICPC practice contests placing within the **top 150 teams**.
- Organized collaborative training sessions with **3 universities** using platforms like **Codeforces** to simulate contest environments.

Trainer & Problem Setter – Michoacán Olympiad in Informatics (OMICH)

UMSNH, Sep 2022 – Present

- Led preparation for high-performing contestants in **state and national OMI competitions**, resulting in **47% of students qualifying for advanced stages**.
- Designed official problems for OMICH 2024 and 2025, published on **Codeforces** and **OmegaUp**.
- Developed training materials in **C++** and algorithm optimization.

Trainer & Co-Founder – Algorithms Club

CETis 120, Mar 2022 – Jul 2024

- Established the school's first competitive programming club, achieving **19% active membership** among the entire programming-track student body during my three years in high school.
- Designed a training pipeline that prepared students to qualify for **Michoacán** and **National OMI stages**.

Projects

Parking control system (Private Project)

August 2025 – PRESENT

Web Developer | b2park.com.mx

Club Website (University Project)

June 2025 – PRESENT

Full Stack Developer | cruzdev.netlify.app

Entry system control for my high school

February 2024 – August 2024

Leader of database team. | CETis 120