

Adolfo Emiliano Cruz Velazquez

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Education

Technological Institute of Morelia

B.S. in Computer Systems Engineering. GPA 3.5/4

Morelia, Michoacan, Mexico

Aug 2024 – Present

Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Complexity Analysis, Object-Oriented Programming, Web Development, Databases.

Awards/Honors: Competitive Programming Chapter Founder & President; Volunteer.

Experience

B2Park

Morelia, Michoacan, Mexico

Web Developer Intern

Sep 2025 – Present

- Built and shipped UI features using React + TypeScript, applying clean architecture principles and reusable components (forms, tables, modals) to ensure usability and consistent design.
- Integrated the frontend with APIs/services (backend backed by MongoDB), implementing reliable state handling (loading, error and empty states) to improve stability and UX.
- Followed strong Git practices: feature/fix branches, meaningful commits, conflict resolution and pull requests with reviews.
- Collaborated with the team via issue tracking and iterative deliveries, meeting project goals and deadlines.

Employment History

• Incident Inbox / Internal Support

- Built incident reporting and tracking modules with table views, create/edit flows, and confirmation modals.
- Implemented a Kanban board (To Do / In Progress / Resolved) to manage the incident lifecycle and improve work visibility.
- Created reusable UI components to standardize screens and improve visual and interaction consistency.

• Quoting System

- End-to-end quoting flow: customer capture, product/service selection, validations, and auto-calculated totals/discounts.
- Integrated API persistence and generated professional PDFs directly from the quoting workflow.

Leadership & Activities

Michoacán Olympiad in Informatics

Morelia, Michoacan, Mexico

Trainer & Problem Setter

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, 2025 and 2026 published on Codeforces and OmegaUp.
- Developed training materials in C++ and algorithm optimization.

Founder – Algorithms Chapter

Morelia, Michoacan, Mexico

President

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.

Skills & Interests

Technical: C++, Python, Java, React, TypeScript, JavaScript, HTML/CSS, REST APIs, Git/GitHub, SQL, MongoDB.

Language: Spanish (Native), English (Intermediate), German (Beginner)

Interests: Competitive programming (ICPC-style) & Music.