

# Fabiola GARCÍA PIANA

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## EDUCATION

### Universidad Popular del Estado de Puebla (UPAEP)

Bachelor of Science in Software Engineering

Cumulative GPA: 9.8/10

80% Academic Scholarship

Relevant Coursework: Discrete Mathematics · Data structures and algorithms · Automata theory · Object oriented programming

México

Graduating in June 2026

### Cisco Networking Academy

CCNAv7: Introduction to Networks

Passed with Merit.

México

December 2023

### Oracle Academy

Database Foundations, and Database Programming with SQL

Relevant Coursework: Design and implementation of relational databases with SQL.

México

Nov. 2023, May. 2024

## EXPERIENCE AND COMPETITIONS

### President of Student's Association: Competitive Programming UPAEP (CPU).

Jun 2023 – Present

- Lead and coordinate the group along with my team, assuming the responsibility of directing and supervising all activities related to the student group, ensuring its proper functioning and development.
- Act as an efficient intermediary and effective communicator between the university authorities and the members of the student group, guaranteeing adequate coordination and flow of information.
- Teach in average 6 hours a week, courses of competitive programming; fundamental's and data structures, providing students with the necessary skills to compete and excel in this field.

### UPAEP Internal Competitive Programming Contests

- Fundamentals contest: placed 1<sup>st</sup> from 10 teams (Programming language C++). Dec 2022
- Marathon: placed 2<sup>nd</sup> from 24 teams (Programming language C++). Mar 2023

### Competitive programming Hackathon UPAEP 2024

Mar 2024

- Coordinated, fundraised, and secured sponsorships (Oracle Guadalajara), for an internal competition.
- Orchestrated the planning and implementation of programming challenges for the competition, attracting over 100 participants.

### Instituto Tecnológico y de Estudios Superiores de Monterrey's Hackathon

Jun 2023

- Placed 1<sup>st</sup> at Odoo's category; Designed a system to interconnect collection centers and manage donations, to improve administration of goods, with Odoo technologies.

### International Collegiate Programming Contest (ICPC) México

Apr 2023

- Ranked 116<sup>th</sup> out of 458 teams, on the national stage.

### Volunteer on "Club Amigos Teletón" for Teletón Foundation

2020-2022

- Responsible for organizing and taking care of volunteers participating in a program dedicated to promoting the inclusion of individuals with disabilities.

## PROJECTS

### Expendedoras Villareal Database

Jan 2024 - Present

- Utilizing SQL, I designed and implemented a relational database for a family business, with plans to scale it into a customized ERP system.

### LSM translator (Lengua de señas mexicana)

Present

- In charge of technologies research for the initial stages of the development a movil application that facilitates communication for the deaf community in México.
- Using HTML, CSS and JavaScript, responsible of developing a web page promoting the application.

### Graphing calculator

Apr 2024

- Leveraging Java's graphic library, I spearheaded the development of a user-friendly polynomial graphing tool. This project involved conceptualizing, designing, and implementing algorithms to accurately plot polynomial functions, as well as knowledge of object oriented programming.

### Ground Station implementation for CubeSat satellite

Present

- Part of the software development team entrusted with the responsibility of configuring and programming the computer system governing a satellite and radio infrastructure. In charge of programming the commands that communicate the ground station with the satellite, in order to provide specific instructions between both o them.

## THECNICAL SKILLS

**Skills:** Programming Languages: C, C++ (2 years), Java (12 months), Python (3 months), Java Script (1 month).

**Knowledge:** Data structures, Analysis and design of algorithms, object oriented analysis and programing, design and implementation of relational data bases, design a basic network, project management.

**Soft skills:** Leadership, speaking skills, critical thinking, problem solving, teamwork, decision making, creativity, motivated.

**Language:** Spanish (Native), English (C1 ITP TOEFL).

**Interests:** Sci-Fi Literature, volleyball, Ping-Pong, drawing, singing.