

# Alejandro Gutiérrez Grimaldo

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## EDUCATION

### Bachelor of Computer Engineering

Engineering School – National Autonomous University of Mexico (UNAM)

Mexico City, Mexico

2022 – Graduating 2027

## EXPERIENCE

### Engineering School Competitive Programming Club

CPCFI – UNAM

February 2023 – Present

Engineering School, UNAM

- Active member of the third generation and **engineering team** of the competitive programming club.

## HACKATHONS & COMPETITIONS

### AI Lab School Hackathon

AI Lab School – Iollin

May 2024

Online Hackathon

- Developed a **first-place winning enterprise assistant application** using **NextJS**, showcasing proficiency in business process analysis and AI applications, including generative images for social media strategy (**OpenAI API**).

### AngelHack Mexico

AngelHack

April 2024

IPN Zacatenco, CDMX

- Secured **second place in the social responsibility track**, highlighting a commitment to impactful projects.
- Developed a food product marketplace application using **NextJS**.
- Integrated the **OpenAI API** to analyze images and automatically generate product titles and descriptions.

### Anticorruption Dataton

SESNA – (Secretariat of the National Anticorruption System)

December 2023

Online Hackathon

- Achieved **fourth place in the competition**, demonstrating skills in data analysis and application development.
- Developed a user-friendly interface using **Django** and **React** for algorithmic result visualization.

### IEEEExtreme 17.0 Contest

IEEE – UNAM

November 2023

Engineering School, UNAM

- Collaborated effectively within a team to solve challenging coding problems under time constraints.
- Designed and implemented efficient algorithms using **C++** and **Python**

### International Space Apps Challenge

NASA – AEF (Mexican Space Administration)

October 2023

Intercontinental University, CDMX

- Led a team in developing a mobile application using **Flutter** for the "What's up with the water?" challenge.
- Created a chatbot using **Google's LLM Palm2** to provide continuous assistance to users.

### International Collegiate Programming Contest Mexico 2023

ICPC – UNAM

April – September 2023

Engineering School, UNAM

- Successfully implemented algorithms and data structures using **C++** to solve complex problems, achieving a **top 20% ranking** in the contest.

## COURSES & CERTIFICATIONS

### Cisco Winter Incubation Program

Cisco

January – April 2024

Cisco Skills Badges

- Completed the **Network Technician** Career Path, gaining expertise in network fundamentals.
- Expanded knowledge in network technologies, including routing, switching, and security.

### Subete a la Nube

Google – INROADS Mexico

September – October 2023

Google Skills Badges

- Acquired comprehensive knowledge of **Google Cloud** computing fundamentals, including infrastructure, security, data, Machine Learning, and Artificial Intelligence.

### Launch X

Microsoft – Innovación Virtual

September – December 2022

Bootcamp

- Gained an introduction to full-stack web development, encompassing both front-end (**HTML, CSS, JavaScript, React**) and back-end (**Node.js, Express, MongoDB**) technologies, building a strong foundation in web development principles.
- Successfully deployed a web application to **Microsoft Azure**.

## PROJECTS

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**CPCFI WebPage** | *TypeScript, NextJS, Prisma, PostgreSQL, Tailwind*

August 2023 – Present

- Implemented new features to improve member interaction, particularly enhancing the problem compiler and user interface.
- **www.cpcfi.unam.mx**

## TECHNICAL SKILLS

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**Languages:** English (Proficient), Spanish (Native)

**Programming Languages:** C/C++, Python, JavaScript/TypeScript, Dart

**Frameworks:** React, NextJS, Express, Flutter

**Developer Tools:** VS Code, Git/GitHub, Google Cloud/Azure