

# Alejandro Gutiérrez Grimaldo

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## EDUCATION

### Bachelor of Computer Engineering

Engineering School – National Autonomous University of Mexico (UNAM)

2022 – Graduating 2027

Mexico City, Mexico

## EXPERIENCE

### Competitor & Software Engineer

Competitive Programming Club (CPCFI)

February 2023 – Present

Engineering School, UNAM

- Participated in the **ICPC Mexico 2023** (top 20%) and **IEEEExtreme 17.0** (top 15 Mx), solving algorithmic problems using **C++** and **Python**.
- Co-developed a web application that improved competitor management by 30% and integrated an **online compiler** to streamline workflows.
- Designed and developed a scalable web application using TypeScript, React, NextJS, PostgreSQL, Tailwind, and Docker, enhancing competitor collaboration. | [cpcf.unam.mx](https://cpcf.unam.mx)

### Software Engineer

IEEE Computer Society

August 2024 – Present

Engineering School, UNAM

- Developed a **chatbot to guide 500+ new engineering students** through orientation, utilizing Python and AI-based frameworks to automate responses and improve user experience.

## AWARDS

### HackMonterrey - Capital One Challenge | [asterionconnect.vercel.app](https://asterionconnect.vercel.app)

September 2024

- Secured **4th place** out of 20+ teams by developing a **social network for achieving financial goals**.
- Designed and implemented a interface that allowed users to **set and track financial goals**, share progress, and receive personalized recommendations. Used AI to analyze user entrepreneur projects.
- Technologies used:* TypeScript, React, Tailwind, NextJS, Python, Flask, Firebase (Firestore DB, Storage, Authentication).

### Hackthion - Notion Hackathon | [study-brown.vercel.app](https://study-brown.vercel.app)

July 2024

- Achieved **2nd place** out of 20+ teams by developing a **social network for students** to share Notion notes.
- Conceptualized, developed, and presented a prototype to an audience and a jury, effectively demonstrating its functionality and potential to promote adoption.
- Technologies used:* TypeScript, React, Tailwind, NextJS, Python, Flask, PostgreSQL.

### AI Lab School Hackathon | [ai-hackathon-webapp.vercel.app](https://ai-hackathon-webapp.vercel.app)

May 2024

- Won **1st place** out of 10+ teams by creating a generative AI-powered business assistant that analyzed market data and optimized social media strategies.
- Technologies used:* TypeScript, React, NextJS, Python, OpenAI API.

### AngelHack - Mexico & Global | [hack-mexico.vercel.app](https://hack-mexico.vercel.app)

April 2024

- Secured **2nd place** out of 50+ teams for developing a **food marketplace** that used AI-driven image recognition to reduce food waste and optimize food sales.
- Secured a spot in the **global finals in Singapore** by ranking **5th worldwide**.
- Technologies used:* TypeScript, React, NextJS, OpenAI API.

## COURSES

### Cisco Network Technician Career Path

January – April 2024

- Completed the path, gaining hands-on experience in **designing** and **managing secure networks** with a focus on routing and switching protocols.

### Google Cloud Computing Foundations

September – October 2023

- Acquired skills in deploying secure cloud solutions on **Google Cloud Platform** with a focus on **Compute Engine** and **Networking**.

## PROJECTS

### Focus | To-do Mobile App

June 2024

- Developed a mobile application for task management and productivity improvement, using **Flutter** and **Google Firebase**.

### Game of life | Mobile Game

October 2023

- Developed a mobile game using **Flutter**, implementing the **Conway's Game of Life** algorithm.

## TECHNICAL SKILLS

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

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

**Developer Tools:** Git/GitHub, Google Cloud Platform, Microsoft Azure