

Alejandro Gutiérrez Grimaldo

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EDUCATION

Engineering School - National Autonomous University of Mexico (UNAM) <i>Bachelor of Computer Engineering</i>	Mexico City, Mexico 2022 - Graduating in 2027
National High School "Jose Vasconcelos" <i>Specialized Technical Study in Computing</i>	Mexico City, Mexico 2020 - 2022

EXPERIENCE

Engineering School Competitive Programming Club <i>CPCFI - UNAM</i>	February 2023 – Present <i>Club - ICPC</i>
<ul style="list-style-type: none">Member of the third generation of the competitive programming clubImplemented algorithms with C++ to solve problems in the application, placed in the top 20% of all participants in the ICPC Mexico 2023 contestEngineering team member for the development of a statistics and tools web application	
IEEEExtreme <i>IEEE - UNAM</i>	November 2023 <i>Hackathon</i>
<ul style="list-style-type: none">Engaged in the IEEEExtreme programming competition, collaborating within a team to solve challenging problems and demonstrate proficiency in coding, problem-solving, and teamwork under time constraints.	
International Space Apps Challenge <i>NASA - AEF (Mexican Space Administration)</i>	October 2023 <i>Hackathon</i>
<ul style="list-style-type: none">Contributed to a NASA-hosted hackathon, developing an app addressing the "What's up with the water?" challenge, emphasizing the importance of water bodies for the environment.Led the creation of a user-friendly chatbot using Google's LLM Palm2, providing continuous assistance to users.Designed the app's homepage, integrating prompts for the chatbot and presenting solutions to water-related issues.	
Subete a la nube <i>Google - INROADS Mexico</i>	September 2023 – October 2023 <i>Google Skills Badges</i>
<ul style="list-style-type: none">Member of the first generation of Google program to encourage Google Cloud ServicesGained knowledge about cloud computing fundamentals, infrastructure network, security, data, machine learning and artificial intelligence in Google Cloud	
Launch X <i>Microsoft - Innovación Virtual</i>	September 2022 – December 2022 <i>Bootcamp</i>
<ul style="list-style-type: none">Microsoft program to encourage web app developmentFront-end development with HTML, CSS JavaScript, ReactBack-end development with JavaScript, Node.js, Express, MongoDBDeployed web app to Azure	

PROJECTS

CPCFI WebPage <i>TypeScript, React, NextJS, Yarn, Prisma, PostgreSQL, Tailwind</i>	August 2023 – Present
<ul style="list-style-type: none">Enhanced the application's performance by facilitating the viewing of statistics for participants, streamlining the problem assignment process for coaches, and enabling the development of problems in the page's compilerAdded features to the web application that improved user interaction and provided more useful informationPerformed unit tests on the application to ensure its accuracy and reliability, resolving several bugs in the processLink to CPCFI WebPage	

TECHNICAL SKILLS

Languages: English (Proficient), Spanish (Native)
Programming Languages: C/C++, Java, Python, JavaScript/TypeScript, HTML/CSS, SQL, Dart
Frameworks: React, NextJS, Node.js, Express, Flutter
Developer Tools: VS Code, Git/GitHub, Google Cloud/Azure, VMWare/VBox, Bash/PowerShell