

Gustavo VALENZUELA ASCENCIO

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EDUCATION

National Autonomous University of Mexico (UNAM)

Mexico City, MEX

Bachelor of Computer Engineering (GPA: 3.72)

Aug. 2022 – Expected: June 2027

EXPERIENCE

Amazon Inc.

Mar. 2026 – Present

Software Development Engineer Intern

Mexico City, MEX

- Currently taking my onboarding.

UNAM - School of Engineering, Computer Department

Jan. 2025 – Present

Academic Contributor and Backend Developer

Mexico City, MEX

- Developing a full-stack project to hold historical photos of School of Engineering using **Next.js**
- Led the configuration and deployment of a **server** for assignment and submission management; about to be deployed by April.
- Created educational animations using the **Manim** library to visually explain programming concepts and algorithms.

UNAM - School of Engineering Competitive Programming Club

Jan. 2023 – Present

Academic Coach

Mexico City, MEX

- Delivered **14** technical lectures on **algorithms and data structures** using hands-on examples.
- Mentored **+40** students in preparation for **ICPC contests**, resulting in measurable improvement in rankings.

AWARDS

ICPC Mexico Finals Qualification, 2024 and 2025

Oct 2024, Sep. 2025

School of Engineering, UNAM

Mexico City, MEX

2025 Certificate

PROJECTS

Mobile Compiler App | *Kotlin, Java, XML, Android Studio*

June 2025

- Developed a **mobile app** that visualizes lexical, syntactic, and semantic analysis for a **C-like language**.
- Implemented a **recursive descent parser** and **regex-based** lexical analyzer to handle code parsing and highlighting.
- Designed a clean, **mobile-friendly UI** for users to explore **compiler concepts** interactively.

GitHub Repository

Doodle Jump Clone | *Java*

Dec. 2023

- Created a 2D arcade-style platformer using **Java AWT**, featuring dynamic levels and sprites.
- Demonstrated OOP concepts: **Inheritance, Polymorphism, Encapsulation, Abstract Classes, Interfaces**.
- Collaborated on architecture design and optimized performance.

GitHub Repository

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, Kotlin, Typescript, SQL

Technologies: Git, GitHub, LaTeX, Linux, SQL Server, OpenGL, Matplotlib, Pandas, Docker

AI Tools: GitHub Copilot, Google Antigravity, Opencode

Languages: Spanish (Native), English (C1)