Geovanni González Aguilar

Limón, Limón, Costa Rica | +506 62180026 | geovanniga32@gmail.com
LinkedIn: https://www.linkedin.com/in/geovanni-gonz%C3%A1lez-aguilar/
Portfolio: https://portfolio-web-beta-sepia.vercel.app/es/

Education

Costa Rica Institute of Technology (ITCR)   *2022 – 2027*
Bachelor's Degree in Computer Engineering
Relevant Courses:

- Introduction to Programming
- Programming Workshop
- Data Structures
- Computer Architecture
- Discrete Mathematics
- Differential and Integral Calculus
- Written Communication
- English I
- Computer Organization Fundamentals
- Object-Oriented Programming
- Algorithm Analysis
- Databases
- General Mathematics
- Programming Languages
- Oral Communication
- English II

Academic Expirience

Costa Rica Institute of Technology — Limón Campus
Laboratory Operator | August 1, 2024 – November 28, 2024

- Verified the operational status of computer equipment, both software and hardware.
- Updated laboratory systems to ensure optimal performance for academic use.

Extracurricular Activities

Volunteer, ITCR Vocational Fair — *March 20, 2024*

- Guided high school students from various schools across the Caribbean region during their campus visit.
- Provided an introduction to the academic programs and career paths offered by the institution.

Skills and Interest

Programming Languages:
Python, C/C++, C#, Java, JavaScript, TypeScript, HTML, CSS, Visual Basic, ASM x86, RISC, ARM, Haskell, SML, Prolog
Frameworks & Libraries:
Flask, Node.js, React, Angular, Vue.js, Swing/AWT, Matplotlib, Astro
Databases & Persistence:
MySQL, Microsoft SQL Server (SSMS)
Development Environments & Tools:
Visual Studio Code (VSC), IntelliJ IDEA, Git/GitHub, VirtualBox, VMware, QEMU, Logisim, Office 365, Vercel, Ngrok
Operating Systems & Platforms:
Windows, Linux, Raspbian OS, Raspberry Pi

Technical Knowledge Areas

- Programming Paradigms: Object-Oriented, Iterative, Modular, Functional, Logical, and Declarative Programming

- Software Development: Desktop applications, GUI design, client–server systems, and modern web development frameworks
- Architecture & Systems: Computer architecture (RISC/ARM), low-level programming, and operating system simulation
- Algorithms & Data Structures: Process optimization, efficiency analysis, and dynamic data manipulation
- Data Management: Design, modeling, and administration of relational databases
- Software Engineering: Best development practices, technical documentation, testing, version control, and UX/UI principles
- Artificial Intelligence & Automation: Logic-based decision systems, declarative reasoning, and behavioral simulations
- Networking & Communication: TCP/IP socket programming, access control, and system security
- Digital Systems & Hardware: Digital architecture simulation, binary encoding, and circuit design
- Virtualization & Benchmarking: Virtual machine configuration, performance evaluation, and multi-CPU comparison testing

Soft Skills
- Software project management
- Team collaboration and communication
- Analytical and creative problem-solving
- Technical writing and documentation
- Adaptability and critical thinking

Languages
- Spanish: Native
- English: Advanced (B2/C1) — strong technical reading, writing, and oral communication