ALEXANDER GÓMEZ | Curriculum Vitae

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 GitHub • in LinkedIn • 🔖 Portfolio

Personal information

NAME
Alexander Gomez-Del-Carpio

NATIONALITY
Peruvian

Education

UNDERGRADUATE IN COMPUTER SCIENCE
Universidad Católica San Pablo
Ranked top 5 in my class - GPA 3.9 (Converted)
Expecting graduation: August 2025
Exchange Semester: Universidad Católica de Colombia, June 2023 - December 2023

2019 - Current
Arequipa, Peru

Skills

PROGRAMMING LANGUAGES

Experienced: C/C++ | Python
Familiar: Java | SQL | Typescript

FRAMEWORKS & TOOLS

Git | Windows | Linux | AWS | Angular.js | Nest | VSC

Job experience

AM DIGITAL
Web Development & Chatbot
Angular and Nest.js used to improve functionalities, creating responsive and user-friendly interfaces. Implemented a chatbot for a bus company to improve ticket sales and enhance customer interaction.

07/2024 - 08/2024

ANDINA OUTDOORS INTERNSHIP
Web Scraping & Liquid
Conducted web scraping to gather information about potential clients and relevant competitor data. Utilized Liquid to modify and enhance the Shopify page, fixing bugs and improving design for a better user experience.

1/2024 - 4/2024

Programming experience

SQLITE IMPROVEMENT
Advanced Data Structures
Performance issues were solved, mainly, coding an X-Tree in order to replace its R* Tree for range queries (C and SQL). Also, in my free-time I implemented all kinds of data structures.

5/2022 - 8/2022
Coursework

FORMULA 1 PREDICTION MODEL
Artificial Intelligence
Deep neural networks were implemented to compare two infrastructures and see which performs better to predict final position of a driver in Formula 1.

5/2024 - 7/2024

CHOCOPYCOMPILER
Language Processing
Implementation of a tokenizer and a parser with its parsing tree of the ChocoPy Language.

7/2023
Coursework

RUBIK'S CUBE & PARAGLIDING
Graphic design
A 3D Rubik's cube with OpenGL from scratch. Also, fixed issues and creating new features in Paragliding project (VR).

08/2022 - 11/2022 & 05/2023
Coursework

RDT + UDP PROTOCOL
Network

Implementation of Reliable Data Transfer over UDP and its benefits using C++.

HONORS & AWARDS

MATH REGIONAL CONTEST
2017

Part of two-person school team in Math regional contest (ONEM).

SOCCER STATE CHAMPION AND CAPTAIN
2018

Captain for 3 years of San Jose High-School Soccer Team.

LANGUAGES

SPANISH Native
PORTUGUESE Upper-Intermediate

ENGLISH Advanced
PERUVIAN SIGN LANGUAGE Intermediate

ITALIAN Advanced
SWEDISH Elementary

INTERESTS

COMPETITIVE PROGRAMMING I enjoy spending time practicing algorithmic challenges on LeetCode to refine coding skills.

LANGUAGES AND TRAVEL I love discovering new cultures and making friends, at the same time, I practice my learned languages.

SPORTS I've been pro-soccer player (Barca Academy - USA and in Peru). In addition, I'm passionate about Formula one (I am a SIM player), tennis and many other sports.

SCIENCE & CULTURE I am used to constantly investigate and read about astronomy and Greek mithology.