ALEXANDER GOMEZ | Curriculum Vitae

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🐙 GitHub   •   in LinkedIn   •   Portfolio

PERSONAL INFORMATION

NAME
Alexander Gomez-Del-Carpio
NATIONALITY
Peruvian

EDUCATION

COMPUTER SCIENCE   2019 - Current
Universidad Catolica San Pablo   Arequipa, Peru
Between top-5 students in my class
GPA 3.9 (Converted)
Expecting graduation: July 2025

SKILLS

PROGRAMMING LANGUAGES & OTHERS   **Experienced:** C/C++ **|** Python **|** SQL(SQLite) **|** HTML/CSS **Familiar:** JavaScript
| Java **|** Matlab

FRAMEWORKS & TOOLS   Git **|** CLI **|** Windows **|** WSL (Linux) **|** VSCommunity **|** Colab **|** VSCode **|** OpenGL

PROGRAMMING EXPERIENCE

SQLITE IMPROVEMENT   5/2022 - 8/2022
Advanced Data Structures   Coursework
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.

AI, CLUSTERING & SORTING   8/2019 - Current
Algorithms
Constantly designing clustering (Data analytics) and sort algorithms (Python). Furthermore,
a genetic algorithm and neural networks were implemented.

CHOCOPYCOMPILER   7/2023
Language Processing   Coursework
Implementation of a tokenizer and a parser with its parsing tree of the ChocoPy Language.

RUBIK'S CUBE & PARAGLIDING   08/2022 - 11/2022 & 05/2023
Graphic design   Coursework
It is a 3D Rubik's cube with OpenGL from scratch. On the other hand, testing and
debugging as well as creating new features in Paragliding project (VR).

RDT + UDP PROTOCOL   12/2022
Network   Coursework
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
ITALIAN Advanced
PERUVIAN SIGN LANGUAGE Intermediate

ENGLISH Advanced
PORTUGUESE Upper-Intermediate
SWEDISH Elementary

INTERESTS

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 always want to learn more about Computer Science but also I am used to constantly investigate and read about astronomy and Greek mithology.