

MANUEL GOMEZ

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EDUCATION

University of Nevada – Las Vegas

Bachelor of Science in Computer Science.

Minor in Finance.

May 2026

Irvine Valley College

Associate in mathematics.

May 2023

TECHNICAL SKILLS

Python, C/C++ Programming, Assembly Language, Linux Ubuntu, Firebase Studio, Microsoft Excel, PowerPoint.

CERTIFICATIONS

SQL - Coursera (Present), Python – Edureka 2024

RELEVANT PROJECTS

Nike Tennis Camp Data Management | Irvine, California

Jun 2024

- Applied sort data criteria with the bubble sort technique for more than 500 campers, sorted by age, level, and ranking to create a system to pair players to play equally level matches.
- Advanced Python and Excel functions to categorize and sort the campers, generating excel spreadsheets and document files providing structured and comprehensive reports to camp directors.

Casino Ward Card Deck Game | Las Vegas, Nevada

November 2024

- Implemented a linked list to manage a deck of cards for a War Game, simulating addition and removal of cards from player's decks
- Exceptions handling by managing scenarios where attempts to draw from or manipulate an empty deck.

RELEVANT COURSEWORK

Python for Data Science (Python):

- Focused on essential programming techniques and data manipulation using libraries such as Pandas and NumPy.
- Topics covered include Strings, Lists and Tuples; dictionaries and sets; conditional execution & loops; functions.

Advanced C Programming (C++):

- Data structures and algorithms for manipulating linked lists. Classes, and file processing.
- Recursion, Software engineering, structured programming and testing, especially larger programs.

Systems Programming (Assembly language):

- Problem-solving methods and algorithm development in a high-level programming language.
- Program design, coding, debugging, and documentation using techniques

Finance Function within Business Organizations:

- Financial Mathematics: Time value of money, interest rates, annuities. Stocks, bonds, discounted cash flow analysis.
- Financial Analysis: Ratio analysis, financial statement interpretation. NPV, IRR, payback period.

Others: Discrete Mathematics, Ordinary Differential Equations, Intro to Digital System Design.

PROFESSIONAL EXPERIENCE

Electronic devices technician and software maintenance. *UbreakIfix* | Miami, Florida

August 2019 – May 2020

- Specialized in Windows software maintenance, ensuring smooth operation, and resolving technical issues for different devices.
- Utilized Excel to manage and analyze key store data, including parts inventory, sales, marketing expenses, and payroll.
- Created and maintained organized data systems that supported efficient store operations, improving about 20% of the store income.

LEADERSHIP AND EXTRACURRICULAR

UNLV AI & Data Science Club | Las Vegas, Nevada

January 2024 – Present

Member level 2

- Attended weekly meetings to practice interview-like coding assessments and applied upper level coding for personal projects.
- Attended to events about AWS, Full Stack and Data management with generative AI.

UNLV Men's Tennis Team | Las Vegas, Nevada

2023-2024

Assistant Coach and Team Data Manager.

- Collect and analyze data, utilizing advanced statistical methods to generate insightful performance reports for the coaching staff.
- Create detailed statistical analyses and visualizations to highlight player strengths, weakness, and overall trends, adding strategic decision making and future game planning with the scouting information.

SOFT SKILLS and INTEREST

Teamwork, Critical Thinking, Problem-solving, Fast learner, bilingual (English and Spanish), Time management, Coaching and Data Visualization. **Interests:** Tennis, Golf, Formula 1 Racing, Real Madrid Cf, Dogs, Self-Growth Books.