Las Vegas, NV 89123

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PROFESSIONAL SUMMARY

Junior **Information Systems student at UNLV** with hands-on **C++/Java development**. Experienced in **object-oriented design, recursion, and data structures**. Strong background in **team leadership and collaboration** using **GitHub/Discord**. Seeking **software engineering internship** opportunities.

TECHNICAL SKILLS

- C++
- Software development
- Critical thinking
- Team collaboration
- Java
- IntelliJ IDEA
- CLion
- Visual Studio Code
- Git/GitHub
- WSL
- Linux Terminal
- Object-Oriented Programming
- Fundamental Data Structures
- Algorithms
- Software Development Lifecycle

LEADERSHIP AND SERVICE EXPERIENCE

Recruiting & Retention Officer, AFJROTC - Liberty High School, Organized engagement events and led retention initiatives, building teamwork and communication skills., Coordinated virtual events to sustain participation during the pandemic.

Jacob Martinez

EDUCATION

Expected in May 2027
Bachelor of Science | Information Systems
University of Nevada, Las Vegas

Relevant Coursework:

- CS 135: Computer Science I (C++)
- CS 202: Computer Science II (C++)
- IS 210: Java Programming

PROJECTS

US ASCII Map & City Search Program (C++)

- Built a **terminal-based program** that generates an **ASCII map of the US** from **CSV files**.
- Implemented **file I/O, custom structs, vectors, and search with partial-match suggestions.**

Home Design Simulator (C++)

- Engineered an **object-oriented system** with classes for **House, Floor, and Furniture** to model **customizable home layouts.**
- Implemented **dynamic memory management** and **ASCII-based visualization** for rendering houses and floor plans.
- Integrated a **furniture catalog** and **resident management features**, ensuring **validation of inputs** and proper **cleanup with destructors.**

Recursion Suite (C++)

- Developed **recursive algorithms** (**sum, integer logarithm, reverse string, binary search**).
- Designed **PacMaze class** for **recursive pellet placement and power-pellet detection**.
- Created **Cake Builder** that recursively constructs and prints **layered ASCII cakes**.

Library Management System (Java, Team Project)

- Took initiative in **leading a 5-person team**, **assigning roles**, **mentoring peers**, and coordinating via **GitHub** and **Discord**.
- Designed and implemented **core classes** with **OOP principles** for **book management and search**.
- Delivered a **functional console-based system** while guiding teammates through **version control** and **collaboration workflows**.

WORK EXPERIENCE

April 2023 - Current
Associate Walmart | Las Vegas, NV

- Solved customer problems quickly, developing adaptability and problem-solving skills.
- Collaborated with team members to meet daily goals, strengthening communication.

July 2020 - August 2022
Manager McDonald's | Las Vegas, NV

- Supervised and trained a team of 10+ employees in a high-volume environment.
- Improved efficiency and developed leadership, multitasking, and decision-making skills.

LANGUAGES

Spanish:

Native/ Bilingual

English:

Native/ Bilingual