Josue Ambriz Ruiz

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Education

University of South Carolina   Columbia, SC
Bachelor of Computer Science, Minor in Mathematics. GPA 3.6   May 2027
Dean's Honor List: Spring 2024

Experience

Algorithmic Design I   Columbia, SC
                                                                                    Fall 2023

- Studied core algorithmic concepts and Java programming, including methods, classes, objects, inheritance, and polymorphism.
- Completed hands-on projects such as the Food Assembly System, 2D Array-Based Navigation Game Engine, and Clothing Organization and Management System.

Algorithmic Design II   Columbia, SC
                                                                                    Spring 2024

- Implemented advanced data structures (linked lists, stacks, queues, trees, heaps) and algorithms (searching, sorting, recursion) in Java to optimize computational efficiency.
- Developed key projects such as Sheep Shearing Scheduler, Sierpinski's Triangle Fractal Generator, and Robot Navigation and Command Simulator.

Advanced Programming Techniques   Columbia, SC
                                                                                    Fall 2024

- Applied object-oriented programming principles to design features such as operator overloading, polymorphism, and multiple inheritance in C++ within a Unix programming environment.
- Developed a series of functions and tools, including implemented date and time functionality, developed date comparison and difference tools and created date adjustment functions.

Skills

Programming Languages
Java, C++, Python, Lua, HTML

Software & Tools
IDE/Editors: Eclipse, Xcode, Visual Studio Code, PyCharm, Notion
Productivity Tools: Microsoft Word, Microsoft Excel
Version Control & Cloud Services: GitHub, AWS
Text Editors: Vim, Nano
3D Modeling: Blender

Technical Skills
120 WPM with 99 Percent Accuracy
Experience in residential and commercial electrical installations and repairs
Proficient in diagnosing and repairing computer hardware and components
Skilled in soldering and performing circuit board repairs
Experience with 3D modeling and design
Computer Hardware Installation & Maintenance

Languages
Spanish Native Speaker