Alex Cortez

Tallahassee, FL ■ (941) 932-5398 ■ alexcortez3001@gmail.com ■ https://acortez1003.github.io

Motivated Computer Science student eager to expand technical skills. Experienced in working in groups, developing applications, and system administration. Actively involved as a Learning Assistant and Marching Chief.

Education

Bachelor of Science in Computer Science   **December 2025**
Florida State University, Tallahassee, FL

Technical Skills

Programming Languages: **C++, C, C#, Java, Python, HTML, CSS, PHP**
Software and tools: **VS, Android Studio, Git, SQL, Google Cloud Platform, Godot, Lynis, AWS, Virtual Machines**
Operating Systems: **Android Mobile Development, UNIX/Linux (Ubuntu), Windows, macOS**
Relevant Coursework: **C#, Databases, Data Structs & Algorithms, Mobile Programming, Secure Computing**

Project-Related Experience

Real Estate Multiple Listing Service   **Sept 2024 – Dec 2024**
PHP, SQL, HTML, CSS
- Developed a Full-Stack web application with front-end display and back-end database management
- Implemented user-driven SQL Queries with real-time results along with pre-set data views

Ascend: Path of No Return (Group Project)   **Sept 2024 – Dec 2024**
Godot, GDScript
- Implemented reusable back-end story logic to support dynamic side quests and interactive gameplay
- Designed and developed node system with an extendable script architecture, enabling modular and customized interactions for game objects

eCommerce   **May 2024 – Aug 2024**
C#, Virtual Studio Community, .NET MAUI
- Developed a web application mimicking Amazon, with inventory management and a shopping cart system
- Implemented CRUD operations using C# with MVVM architecture, ensuring clean separation of concerns

Memory Game (Group Project)   **May 2024 – Aug 2024**
Android Studio Jellyfish, Java, XML
- Developed a mobile application featuring level progression tracking using Room Persistence Library
- Designed UI/UX using XML layouts for level selection and reset functionalities

Data Structures & Algorithms Course   **Sept 2023 – Dec 2023**
C++, Visual Studio Code
- Created templates for core data structures, including Doubly Linked Lists, Hash Tables, and Stacks
- Developed a binary tree template and used recursive algorithms for tasks like postfix-to-infix conversion
- Efficiently collected words, number, and character usage statistics with quicksort and Hash Tables

Involvement

Learning Assistant   **August 2023 – Present 2025**
Florida State University Mathematics Department
- Assist 200+ students in the Pre-Calculus course by providing tutoring sessions and assisting lectures
- Lead lab sections providing example questions and encouraging student participation

Marching Chiefs   **August 2022 – Present 2025**
Florida State University College of Music
- Active member of 400+ member marching band, practicing daily and fostering passion, discipline, and teamwork while promoting school spirit

Summer Camp Counselor   **June 2023 – July 2023**
The Salvation Army
- Supervised and guided upwards of 40 campers in camp activities while promoting teamwork and safety