Juancarlos Alguera

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SKILLS

Languages: C++/#, Java, Python, JavaScript, HTML/CSS, SQL
Frameworks: ReactJS, Flask, MySQL
Tech: VS Code, Git, LaTeX, MS Office, Oracle VM Virtual Box
Relevant Major Coursework: OOP with Java and C++, Data Structures and Algorithms, Operating Systems, Parallel Programming, Network Administration, Discrete Mathematics, Linear Algebra, Theory of Computation

Leadership Experience: In charge of coordinating the software development process for a social media web-application assigned to a team of 5 members in one of my current Computer Science Capstone courses
General: Attention to Detail, Time Management, Adaptability, Communication and Teamwork, Bilingual

EDUCATION

Miami Dade College **April 2022**
A.S. (Associate's in Science) GPA: 3.515 *Homestead, FL*
Florida State University **May 2025**
B.S. in Computer Science GPA: 3.354 *Tallahassee, FL*

PROJECTS

Database Management System https://github.com/IskaIV/Secure-Document-Management-System
- Implemented role-based access control (RBAC) to define user permissions based on roles such as admin, manager, and user to ensure secure access to the system through user authentication
- Facilitate secure sharing of documents among authorized users with predefined access controls. Implement real-time collaboration features to enable concurrent editing while preventing conflict and ensuring consistency
- Technology stack for this project consisted of HTML and CSS for Front-End, Flask and Python for Back-End, and we used SQLite3 for our Database

Social Media App – MapChat https://github.com/alex-305/map-app
- Developed a full-stack social media web application using Inertia.js to seamlessly integrate React (front-end) with Laravel (back-end), enabling users to create, view, and interact with geolocated posts on a dynamic map.
- Implemented user authentication and role-based access control using Laravel's built-in features, allowing registered users to create, edit, and delete posts while restricting guest users to view-only access.
- Designed and integrated a PostgreSQL database schema to manage user data, posts, comments, and likes, ensuring efficient data retrieval and storage.
- Utilized RESTful API endpoints to handle authentication, post management, and real-time interactions.

PREVIOUS WORK EXPERIENCE

Welocalize **May 2024 – February 2025**
Website Quality Rater *Remote Work*
- Evaluated and rated website content quality across diverse platforms, ensuring adherence to client-specific guidelines and industry best practices.
- Conducted comprehensive analyses of website functionality, user experience, and search relevance to measure overall site performance.

Publix **September 2023 – July 2024**
Produce Clerk | Fruit Cutter *Tallahassee, FL*
- Managed inventory and display of fresh cut produce, ensuring optimal product quality and minimizing waste.

INTERESTS & EXTRACURRICULAR

Interests: Boxing, Weightlifting, Yoga, Rock-Climbing, Cooking, Music Production, Reading, Puzzle Solving
Extracurriculars: ACM Club, Boxing Club, Climbing Club, Hispanic-Latin Student Union