

Jorge Umanzor

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EDUCATION

University of Houston – Houston, Texas

Bachelor of Science in Computer Science with Mathematics Minor

Expected Graduation: December 2024

Overall GPA: 3.843 | Major GPA: 4.0

Relevant Coursework: Programming Languages and Paradigms, Fundamentals of Operating System, Algorithms and Data Structures, Computer Organization & Architecture, Discrete Mathematics, Linear Algebra

EXPERIENCE

Code Coogs – Lead Software Developer

September 2023 – Present

- Lead a team of 15 students in developing and launching an innovative personal finance app using the MERN stack, overseeing all aspects of design and development.
- Enhance team productivity by 30% by leading over 8 regular Agile meetings and stand-ups, ensuring clear communication and alignment on project goals.

Texas R U Painting and More LLC - Project Manager

June 2020 – Present

- Facilitate the creation and organization of over 250 monthly estimates and invoices, and manage daily inventory, improving operational efficiency and reducing billing errors by 40%.
- Coordinate schedules and conduct monthly inspections of 50+ property units, optimizing resource allocation and reducing maintenance costs by 25%.

PROJECTS

Uni Meet Android Application | Java, XML, Firebase, Android Studio

- Managed the design and development of a real-time chat feature using Java Socket, enabling seamless communication between matched users and enhancing user engagement within the application by 70%.
- Contributed to the backend creation of dynamic user profiles, incorporating data such as hobbies, student organization affiliations, and courses, resulting in personalized user experiences.
- Leveraged XML in Android Studio to craft an intuitive and user-friendly interface, ensuring a seamless navigation experience for users accessing features, enhancing user experience by 40%.

Run Length CODEC | C++, POSIX Threads, Stream Sockets

- Developed a robust Compressor-Decompressor algorithm in C++, leveraging run-length encoding technique, resulting in a significant reduction of data storage needs by 50%, enhancing overall system performance.
- Incorporated multi-threading with POSIX threads, optimizing encoding and decoding processes for a 50% reduction in processing time, resulting in enhanced speed and performance.
- Implemented stream sockets for secure and seamless data transmission, optimizing communication between client-server architectures; decreased latency by 25% and enhanced overall system stability.

SKILLS

Programming Languages: Python, C++, JavaScript, Rust, Go, Java, Kotlin, Scala, Ruby, R, SQL, HTML/CSS, Bash

Frameworks and Libraries: React, Angular, Express, NodeJS, Ruby on Rails, Numpy, Pandas, Selenium, Flask, Django, MongoDB

Developer Tools: Linux, Git, SVN, Docker, GitHub, Visual Studio Code, Android Studio, R Studio, Microsoft 365

LEADERSHIP, CLUBS AND ORGANIZATIONS

Institute of Electrical and Electronics Engineers – Sponsorship Director

May 2023 – Present

- Direct communications and liaise with over 25 IEEE UH's corporate sponsors, scheduling keynote speakers for meetings and orchestrating sponsor-centric events.
- Supervise logistics for 10+ corporate events and synchronize with the Treasurer to secure and allocate sponsorship contributions, resulting in a 25% increase in sponsor satisfaction and a 15% rise in funding.

Code Coogs – Ambassador

May 2023 – Present

- Collaborate with 10+ organizations to orchestrate technical and social events, engaging over 500 students from various fields.
- Crafted and implemented an outreach strategy, attracting 5+ sponsors, boosting sponsorship revenue by 25%, and establishing enduring strategic partnerships.