Yul Castro Barazarte

Computer Scientist/Software Developer

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WORK EXPERIENCE

Computer Science Intern, White Buffalo Alliance, Norman, United States, Link　　　　**Aug 2023 — Dec 2023**
- Enhanced website functionality by developing and integrating six new modules, leading to a 15% improvement in user navigation efficiency and interactivity.
- Revamped the website's navigation, receiving 92% positive feedback, significantly enhancing customer satisfaction.
- Participated in a website redesign that resulted in a 10% increase in user engagement metrics.

TECHNICAL SKILLS

C++, Java, Python, JavaScript, AWS, HTML, CSS, GitHub, SQL, Linux, Microsoft VS, Cursor, Website Development, WordPress, cPanel, Software Development, Microsoft Planner, SDLC, Agile, Notion, Front-End, Spanish.

EDUCATION

University of Oklahoma, Norman, OK - *Bachelor, Computer Science*　　　　**Jan 2021 — May 2025**
Societies: Society of Hispanic Professional Engineers, Venezuelan Association, and Colombian Student Association.
Awards: Venezuelan OU Alumni Association, Sooner Heritage, Wesley R. Mote Endowed Engineering.

Oklahoma City Community College, Oklahoma City, OK - *Associate, Computer Science*　　　　**Jan 2019 — Dec 2020**
Awards: Transfer Distinguished Award.

PROJECTS

Venezuelan Association Official Website, Link　　　　**Mar 2024 — Present**
- Designed and deployed the organization's website using AWS Amplify, S3, CloudFront, and Route 53, ensuring scalable, secure, and cost-effective hosting.
- Implemented SEO optimizations, leading to a 30%+ increase in membership and stronger online visibility.
- Configured CloudFront CDN for fast, reliable performance with global caching, maintaining 99.99% uptime.

Linux Virtual Machine Management, Link　　　　**Jan 2024 — May 2024**
- Developed shell scripts to automate the lifecycle management of Linux virtual machines for university students.
- Secured SSH access and integrated with the authentication system for authorized virtual machine management.
- Tested and documented the shell scripts, ensuring reliable and efficient virtual machine operations and user adoption.

Secure Chat Application　　　　**Aug 2023 — Dec 2023**
- Developed a secure chat application using Python and Tkinter with AES encryption for confidential communication.
- Established a client-server architecture for real-time messaging, prioritizing privacy and security.
- Collaborated with a team to integrate AES encryption, ensuring a robust and reliable communication channel.

LEADERSHIP EXPERIENCE

Association Friends of Venezuela, President/Treasurer　　　　**Aug 2021 — Jul 2024**
- Led a team of 10 members, achieving a 98% completion rate for planned activities by setting monthly goals.
- Organized the flagship Cultural Night event, setting a record with 140+ attendees and securing 3 new sponsors, increasing funds by 26%.
- Established partnerships with 2 local businesses, 2 educational institutions, and 6 cultural organizations, boosting event sponsorships by 33% and community visibility by 20%.