Angel Guanill

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EDUCATION

Polytechnic University of Puerto Rico | San Juan, PR   Expected Graduation: December 2025
Bachelor of Science in Computer Science   Cumulative GPA: 3.03
Relevant Coursework: Computer Programming (C++), Software Engineering, Data Structures
Affiliations: ColorStack, SHPE, CodePath, HACU, O4U

SKILLS

Technical: HTML/CSS, C++, Python, JavaScript, SQL, Git, Bootstrap, React, NodeJS, Firebase
Software: GitHub, Visual Studio, VS Code, Figma, Audacity

PROFESSIONAL EXPERIENCE

Microsoft | Upcoming Software Engineering Intern | Redmond, WA   May 2025 – Aug 2025

Microsoft | Software Engineering Intern | Redmond, WA   May 2024 – Aug 2024
• Enhanced audio synchronization and mixing for an unannounced Teams feature, set to launch next year, improving audio quality by 18% for remote users, benefiting over 300 million users and 1 million organizations globally.
• Modified C++ product code to generate RMSdB values and applied a machine learning grid search approach to optimize audio synchronization parameters, reducing errors and providing accurate delay values.
• Developed Python scripts to automate data collection, manipulate audio in various formats (MUCH, PCM, WAV), and upload to Azure storage, reducing manual processing time by 70%.
• Conducted 40+ data collection sessions to train a machine learning model for calculating signal-to-noise ratio (SNR) and signal reverberation ratio (SRR), optimizing mic selection for reverb-free audio.

Cyborg Mobile x Microsoft | New Technologist Intern (PM + SWE) | Redmond, WA   Jun 2023 – Aug 2023
• Built a simulation prototype to broaden perspectives of young adults from careers in the US military, involving decision-making scenarios and consequential outcomes, enhancing informed decision-making.
• Collaborated effectively within a cross-functional team of 5 members, driving the product life cycle from design thinking and prototyping to user research and specifications, delivering the project within a tight 7-week timeline.
• Developed the front-end of the simulation using React and Bootstrap, resulting in a responsive and engaging UI.
• Presented the simulation web app to Microsoft professionals, showcasing the achievements and receiving positive feedback on the project, validating the efforts and accomplishments.

PROJECTS

Your Share | React, Bootstrap, NodeJS   July 2023
• Collaboratively developed a web app platform with a team of 4, leveraging React, Node.js, and Bootstrap to facilitate item borrowing and sharing within a college community.
• Achieved an 85% reduction in development time, completing the web app requirements in 6 hours, significantly faster than the initial estimate of 1 week.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Apple Pathways Alliance Program | Fellow   January 2024 – Current
• Joined the inaugural cohort for the 12-month program designed for high potential students to develop technical and professional skills, network with Apple professionals, and access exclusive resources.

Management Leadership for Tomorrow | Career Prep Fellow   Feb 2023 – Current
• Participated in a selective professional development 18-month program for high-achieving diverse talent, completing business case studies and attending industry conferences hosted by industry leaders, such as TikTok, LinkedIn, Starbucks, and Netflix.

ColorStack at PUPR | Co-Founder   March 2023 – May 2024
• Founded the ColorStack chapter, fostering a supportive community for Black & Latinx Computer Science students to complete their degrees and advance into successful technical careers.
• Drove recruitment efforts, growing the chapter to 15 active members and establishing a solid foundation for future expansion.
• Organized and led professional development workshops, enhancing members career readiness and professional growth.
• Designed and implemented a user-friendly webpage on GitHub, improving accessibility and overall user experience for members.

Selective Programs | Wells Fargo Changemakers Summit, Bloomberg Empowers, O4U Digital Conference