

ZYANYA ISABELLA RIOS

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Internship-seeking computer engineering student with a passion for learning software and hardware, leadership, and community-building. Aiming to support long-term sustainable growth by building an effective team and saving time and expenses.

EDUCATION

Bachelor of Science – ECE: Computer Engineering University of California, San Diego Jun 2027

SKILLS

Language | English, Spanish

Front End | Javascript, CSS, HTML

Back End | Java, C, C#, MySQL, Python

Testing/Deployment | Junit

Developer Tools | Git, Unity, Roblox Studio, Netlify

Microsoft Office 2016 Certified | PowerPoint, Word, Excel

EXPERIENCE

Prison Project Research Assistant | UC San Diego Student Research Lab **Apr 2024 – August 2024**

Researcher for computer science education in prison systems

Python | Pandas | Matplotlib | SIGCSE

- Developed a comprehensive framework for studying computer science education in prison systems, emphasizing the importance of centering the voices and perspectives of justice-impacted individuals with advisors and fellow researchers
- Analyzed and visualized qualitative data responses from justice-impacted students using Pandas and Matplotlib

Computer Science Instructional Design Assistant | UC San Diego, La Jolla, CA **Jun 2024 – Present**

Instructional Designer for computer science education courses K-12

Coursera | Research | Project Management

- Implemented new learning platform on Coursera and enhanced digital learning experiences for 5 UC San Diego Computer Science Education courses, which increased students
- Researched and introduced technology material for newly redesigned course EDS 124AR that has over 1000+ students enrolled; Introduced topics such as: AI in Society, Cyber Security, Climate/Energy Consumption & Technology, Algorithmic Bias, and Robotics

Code Sensei | Code Ninjas, Chula Vista, CA

Nov 2021 – Aug 2022

Programming instructor for children developing video games

Java | Python | Lua | C# | Unity

- Mentored over 30 students in programming C# with Unity Engine and Lua in Roblox Studio, all students finished with a complete video game to present by end of program
- Tailored instructions to students depending on their skill level, cultivating a supportive learning environment while introducing students to fundamental concepts of full-stack development

Computer Refurbishing Volunteer | C2K, San Diego, CA

Dec 2023 – Present

Volunteer for non-profit providing computers to low-income families

Hardware Testing | Refurbishing

- Provided education software and technical support to children and families
- Inspected, troubleshooted, and refurbished hardware including desktops, laptops, and mobile devices for distribution

Vice President of Programming | UC San Diego ColorStack, La Jolla, CA

July 2024 - Present

- Co-founded and launched the first chapter of ColorStack at UC San Diego, establishing a growing community of Latino and Black engineers
- Lead group initiatives to programming, engineering, and networking events for the club

AWARDS & CERTIFICATES

National Cyber Security Award

2023

- Awarded to the highest-scoring eligible CyberStart players from CyberStart America and Cyber FastTrack 2022-23
- Winners of this award were ranked in the top 7% of players nationwide, scholars were awarded a training scholarship to cover the SANS Foundations course

Cisco Certified Support Technician Cybersecurity, IT - Specialist Cybersecurity

2023

- Awarded to the highest-scoring eligible CyberStart players from CyberStart America and Cyber FastTrack 2022-23 CCST Cybersecurity certification validating the essential knowledge necessary to demonstrate work-ready cybersecurity skills
- Skills Include: Incident handling, cybersecurity auditing and analysis, network security concepts, and vulnerability assessment