Julio Cuello

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OBJECTIVE

Aspiring full-stack software engineer and cybersecurity analyst, proficient in Next.js, React, Supabase, RESTful API design, vulnerability assessment, and secure system deployments.

EDUCATION

Universidad Politecnica de Puerto Rico   Hato Rey, PR
Bachelor of Science in Computer Science   *August 2022*

TECHNICAL SKILLS

Coding Languages: Python, C++, TypeScript, HTML/CSS, SQL
Frameworks/Tools: React, Next.js, Tailwind CSS, PyQt5, Supabase, RESTful APIS, Postgre SQL

EXPERIENCE

C++ Tutor   November 2024 – May 2025
Universidad Politecnica de Puerto Rico   *Hato Rey, PR*
- Tutored three students in C++ algorithmic problem-solving using the **Analyze, Pseudo, Code** methodology, improving their code quality and **debugging** skills to boost academic performance and retention.

Information Technology Intern   July 2024 – August 2024
Stryker   *Arroyo, PR*
- Deployed 100+ corporate devices using **PXE boot** and secure network provisioning in compliance with enterprise endpoint protection policies.
- Integrated YubiKey-based **2FA systems** for cleanroom access, enhancing **zero-trust security** and reducing access-related tickets by 10%.
- Provided excellent **IT support** for 45 employees, resolving technical issues including printer setup, user authentication, and **malware mitigation**.

PROJECTS

Polisports – Fullstack Developer | *Next.js, Tailwind, Typescript, Supabase*   January 2025 – Present
- Developed a responsive athletics platform with real-time data fetching, team schedules, and athlete stats powered by a **cloud-hosted PostgreSQL backend**.
- Designed and implemented secure **RESTful API** endpoints using **Supabase** with row-level security (RLS), JWT-based authentication, and role-based access control (RBAC).

GrooveTube | *Python, ffmpeg, discord.py*   July 2025
- Built GrooveTube, a free **Python Discord bot** using **discord.py** & **ffmpeg** for friends unable to pay for YouTube music bots, **automating media retrieval**, **transcoding**, and streaming via secure **APIs** with async processing and robust error handling
- Added play, pause, and stop commands to using **discord.py**, with permission checks and input validation for robust audio control.

Real Estate Manager | *Python, PyQT5, MySQL*   April 2025 – May 2025
- Built PyQT5-based desktop real-estate manager with modular **CRUD GUI**, earning positive faculty feedback.