Cristian Lorenzo-Pavon

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EDUCATION

North Carolina State University | Raleigh, NC
MS in Computer Science   January 2025 – May 2027

The University of North Carolina at Greensboro | Greensboro, NC
BS in Computer Science, Data Science & Big Data concentration   August 2022 – December 2024
Relevant Courses: Data Structures and Algorithms, Machine Learning, Data Science
Awards & Honors: Dean's List (Fall 2022, Spring 2023)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, SQL
Frameworks & Libraries: Spring, Express, Angular, React, Tailwind CSS
Network Security Protocols: SSL/TLS, HTTP(S), TCP/IP, RDP, FTP
Technical Troubleshooting: Software, hardware, network issue resolution
Communication and Collaboration: Effective cross-functional communication
Technologies/Tools: Microsoft Excel, Microsoft PowerPoint, AWS, Git

EXPERIENCE

Software Engineer | Flores and Sons Remodeling | Freelance Project   October 2024 – Present
- Utilized: **React, Go, Tailwind CSS, MySQL, AWS EC2, AWS Route 53**
- Designed a website for a company using **Figma** for design, increasing customer engagement through a user-friendly interface
- Streamlined collection and management of potential clients' information during quote requests

Full-Stack Developer | UNCG Marketplace Startup | Greensboro, NC   January 2024 – May 2024
- Utilized: **Angular, Express, PostgreSQL, GitHub Actions, Akamai**
- Collaborated in developing an ecommerce platform for UNCG students, faculty, and staff to buy and sell from other fellows
- Enhanced production efficiency by **50%** through implementation of Agile methodologies, utilizing **JIRA** for weekly sprints to improve workflow and accelerate delivery
- Implemented security measures to restrict sign-ups exclusively to users with a UNCG email domain, ensuring access control and protecting user data

PROJECTS

Mental Tracker | Personal Project   November 2024 – Present
- Utilized: **Spring, Angular, Bootstrap, MySQL**
- An application promoting user well-being by providing tools for mood tracking, journaling, and self-care reminders
- Ensured data security by authentication and authorization mechanisms applying **JSON Web Tokens** for user sessions
- Applied secure API communications by encrypting sensitive user data and validating tokens on every request

Veto | Personal Project   January 2024 – May 2024
- Utilized: **Express, React, Tailwind CSS, Google Cloud Platform**
- Created an interactive poll application to help a group of people with deciding where to eat by giving personalized recommendations based upon poll responses
- Established real-time voting functionality through WebSocket connections, enabling users to view live updates on poll results

Server and Virtual Machines | Personal Project
- Installed Linux servers and virtual machines running Ubuntu, Debian, and other UNIX-based distributions
- Set up personal home server for file sharing, movie storage, and home automation
- Configured a personal VPN client for PC and smartphone with **Wire Guard**

EXTRA-CURRICULAR

Volunteer | Community Tech Night | Greensboro, NC   October 2024
- Delivered hands-on IT support to community members by diagnosing and resolving technical issues on various devices, such as software errors, hardware troubleshooting, and app installations

Participant | Hackathon | Davidson College   February 2024
- Acquired insights into innovative projects and fostered collaborative problem-solving techniques
- Engaged in workshops covering topics such as "Introduction to REST APIs", "Git Overview", and "Day in the life of a SWE"