

Cristian Lorenzo-Pavon

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EDUCATION

North Carolina State University | Raleigh, NC
M.S. in Computer Science

January 2025 – May 2027

The University of North Carolina at Greensboro | Greensboro, NC
B.S. 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, 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

RELEVANT EXPERIENCE

Software Engineer Virtual Intern | Walmart | Remote, US

October 2024

- Modified the codebase to improve performance through the implementation of two max-heap structure
- Created relational database schemas by following a UML diagram and performed data munging to ensure data consistency

Full-Stack Developer | UNCG Marketplace Startup | Greensboro, NC

Jan 2024 – May 2024

- Utilized: **Angular, Express, PostgreSQL, GitHub Actions, Akamai Linode**
- Collaborated with a team to develop an ecommerce platform for UNCG students, faculty, and staff to buy and sell from other UNCG 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

Flores and Sons Remodeling | Freelance Project

October 2024 - Present

- Utilized: **React, Go, Tailwind CSS, MySQL, AWS EC2**
- Creating a responsive website for a company using **Figma** for design, increasing customer engagement through a user-friendly interface
- Streamlined the collection and management of potential clients' information during quote requests

Veeto | Personal Project

July 2024 – October 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 for lighting

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
- Participated in workshops covering topics such as "Introduction to REST APIs", "Git Overview", and "Day in the life of a SWE"