

Cristian Lorenzo-Pavon

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EDUCATION

North Carolina State University | Raleigh, NC

MS in Computer Science

January 2025 – May 2028

Relevant Courses: Computer and Network Security

Certification: Google Cloud Engineering Certificate

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 2024, Spring 2023, Fall 2022)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, SQL

Frameworks & Libraries: Spring, Express, Angular, React, Tailwind CSS

Technologies/Tools: AWS, GCP, Git, Microsoft Excel, Microsoft PowerPoint

EXPERIENCE

Customer Quality Engineer Intern | Lenovo | Morrisville, NC

September 2025– Present

- Assist Level III Product Engineering team in root-cause analysis of ThinkPad hardware and software issues
- Recreate and debug customer-reported issues to determine if root causes are hardware, software, or compatibility-related
- Functional testing on various laptops, accessories, docks, and other portable devices

IT Intern | Arch Mortgage Insurance | Greensboro, NC

June 2025 – August 2025

- Developed a **Retrieval-Augmented Generation (RAG)** system using **Copilot Studio AI Agents** to help underwriters query company, federal, and internal guidelines, improving efficiency by delivering answers to policy-related questions
- Gained hands-on experience with Agile methodologies, actively participating in sprint planning, daily stand-ups, and learning and understanding team workflows in development processes

Software Engineer | Flores and Sons Remodeling | Freelance Project

October 2024 – January 2025

- 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

PROJECTS

Spotify Pomodoro | Personal Project

April 2025 – Present

- Utilized: **Angular, Tailwind CSS, Spotify Web API**
- Designed and built a single-page Pomodoro technique application to enhance focus and productivity of users
- Integrated Spotify OAuth authentication, enabling users to access and play playlists directly from the app
- Followed Spotify's Authorization Code with PKCE flow to securely handle user authentication with industry practice

Veto | Personal Project

July 2024 – November 2024

- Utilized: **Express, React, Tailwind CSS, Google Cloud Platform**
- An interactive poll application to help a group of people with deciding where to eat by giving personalized recommendations
- Established real-time voting functionality through **WebSocket** connections, enabling users to view live updates on poll
- Integrated the **Google Place API** to provide location recommendations based on user preferences and poll results

EXTRA-CURRICULAR

Participant | Arch MI Hackathon | Greensboro, NC

June 2025

- **1st Place for Best Overall Solution** in company-wide hackathon for developing a visualization tool that assess loan risk exposure in areas affected by natural disasters, supporting strategic decision-making
- Collaborated with 3 interns and 2 Software Engineers to plan, prototype, and develop the project within two days to present in front of company executives

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