

# Cristian Lorenzo-Pavon

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## EDUCATION

**University of North Carolina at Greensboro** – Greensboro, NC

Anticipated Graduation: December 2024

*BS Computer Science, Data Science & Big Data concentration*

Dean's List: Fall 2022, Spring 2023

Relevant coursework: Machine Learning, Data Structures & Algorithms, Concepts of Programming Languages, AI

**Central Carolina Community College** – Sanford, NC

August 2020 – May 2022

*Associate in Science*

## SKILLS AND KNOWLEDGE

**Coding languages:** Java, JavaScript, TypeScript, SQL, Python, PHP

**Languages:** English and Spanish

**Frameworks:** Spring, React, Angular, Express, Yii, Laravel, Bootstrap, 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

**Additional knowledge:** AWS EC2, JIRA, OOP, MVC, MySQL, PostgreSQL, Git Version Control, Microservice Architecture, Agile Methodologies, Waterfall Methodologies, Scrum, REST API, Maven, NumPy, Pandas, ShadcnUI, Microsoft Office Suite

## PROJECTS & EXPERIENCE

### UNCG Campus Marketplace

*Full-Stack Engineer*

- Utilized: Express, Angular, PostgreSQL, GitHub Actions, Akamai Linode
- A campus marketplace application that allows UNCG students, faculty, staff to buy and sell from other UNCG fellows
- Collaboration with software developers dividing tasks among each other for weekly sprints using Agile development

### Veeto

- Utilized: Express, React, Tailwind CSS, NodeJS, Google Cloud Platform
- A web app that helps a group of people with deciding where to eat by giving personalized recommendations based of their poll responses
- Learned DevOps test and deploy procedure, CICD integration

### Server and Virtual Machine

- 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

### Raw data to Feature Space

- Utilized: Python (CONDA), NumPy, pandas
- Extract features from raw data and construct feature spaces to develop and train ML models for classifying birds: Cardinal, Sparrow, Crow
- Regression-based and Random Forest modeling for developing classifiers. PCA to study the performance changes in confusion matrix

### Personal portfolio

- Utilized: React, Tailwind CSS, GitHub.io
- Portfolio website that showcases expertise, projects, and additional information

## EXTRA-CURRICULAR

**Hack@Davidson** – Davidson, NC

February 2024

*Participant*

- Attended workshops: Day in the life of SWE, Intro to REST API, Overview on Git
- Observed to gain insight into innovative projects and collaborative problem-solving

**Tech Trek @ Xtern Software** – Greensboro, NC

February 2023

*Attendee*

- Visited a Greensboro tech company to gain insight into industry trends, company cultures, and career opportunities
- Attended workshops: How to overcome procrastination, Q&A from App Developer and UX Designer, Advice session

## EMPLOYMENT

**Walmart** – Siler City, NC

January 2022 – Present (2 years & 4 Months)

*Online order filler*

- Fulfilled customers online orders, dispensing them to customers and assisting in additional inquiries