

# Marcos Godinez Hernandez

Computer Science & Business Information Systems

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## Summary of Qualifications

Aspiring Software Engineer | Data Engineer | Data Analyst with a strong foundation in network administration, database management, and software development. Experienced in Python, SQL, and cloud-based technologies, with a passion for automation, data-driven problem-solving, and system optimization. Strong analytical skills, leadership experience, and hands-on technical expertise in networking, machine learning, and IT infrastructure.

## Education

Eastern Connecticut State University - Willimantic, CT May 2025

**Dual Major:** Computer Science | Business Information Systems

GPA 3.4

**Minor:** Data and Information Engineering

## Technical Skills

**Programming & Scripting:** Python, Java, SQL, C++(Beginner), Bash/Zsh

**Databases:** MySQL, MS Access

**Cloud & Automation:** AWS (Beginner), Infrastructure as Code (Terraform-Beginner)

**Data Analytics & Visualization:** IBM SPSS, Tableau, Minitab, Excel

**Development Tools:** Jupyter Notebook, VS Code, Eclipse, Lucidchart, MS Visio, Git

**IT Infrastructure:** Cisco Networking, Router & Switch Config, Wireshark, Cisco Packet Tracer

## Relevant Courses

Business Intelligence & Data Solutions, Data Structures, Rapid IT Development(Agile), Business Database Management(SQL), Data Mining & Machine Learning, Data Visualization, Computer Algorithms\*, Operating Systems\*, Software Engineering\*, Deep Learning\*, AI & Machine Learning\*, Data Engineering(FreeCodeCamp.org online)\* | \*Expected completion May 2025

## Experience

**ECSU IT Department – Network Admin Intern | Willimantic, CT.** Aug 2024 - Nov 2024

- Assisted in a **\$7M network infrastructure upgrade**, improving campus-wide connectivity and system performance resulting in a **one week ahead of schedule** completion
- Upgraded fiber link cables and configured routers/switches, utilizing Cisco Prime Infrastructure to **automate software deployments**
- Created a **VOIP cube upgrade plan**, achieving **<30s downtime** and increased redundancy
- Recovered & optimized **\$100K+** worth of networking equipment, reducing costs
- Collaborated with contractors to test/replace UPS systems, ensuring network dependability
- Managed troubleshooting tickets across campus, **balancing real-time IT support with large-scale infrastructure projects**

**ECSU CSC Department – Teacher Assistant | Willimantic, CT.**

Jan 2024 - May 2024

*Course:* Introduction to Python and Machine Intelligence

- Supported **20+ students** in Python, utilizing **NumPy, Pandas, and Matplotlib** for data manipulation and visualization resulting in a **100% class pass rate**
- Guided the development of **KNN models** using Scikit-learn, focusing on classification, distance metrics, and model evaluation with confusion matrices
- Led **data preprocessing and feature engineering** for ML tasks in Jupyter Notebook

**Dinosaurs Landscaping LLC - Founder (self employed) | Savannah GA.** May 2017- Present

- Provide landscaping services to **46 clients** in the Savannah area, managing two employees

## Activities & Honors

- Tableau Ambassador** – Data Visualization enthusiast learning group lead 2024-Present
- Alpha Alpha Alpha** National Honors Society for first generation students 2024-Present
- Upsilon Pi Epsilon** National Honors Society in Computing Sciences 2023-Present
- Mentor**-TheDream.US mentorship program 2022-Present
- ECSU-BIS Info. Tech. Students of America chapter(**President & Treasurer**) 2021-2023
- TheDream.US Opportunity Scholar- **\$80,000** scholarship recipient 2021-Present
- Valedictorian**- Savannah Classical Academy, Savannah GA. 2021