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Darwin Gomez

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## Certifications

- AWS Certified Solutions Architect – Associate
- AWS Certified AI Practitioner – Generative AI
- Google Cybersecurity Certificate
- AWS Certified Cloud Practitioner

## Education

City University of New York – SPS

M.S. Data Science and Machine Learning, GPA 4.0, Expected Jan 2026

City University of New York – City Tech

B.Tech. Computer Information Systems, GPA 3.78, Dec 2024

Dean's List (8x), National Honor Society

## Professional Experience

Solutions Architect Intern – Amazon Web Services (AWS) | Arlington, VA (Remote/Hybrid)

Jun 2025 – Sep 2025

- Designed and presented secure, scalable AWS architectures tailored to enterprise client needs.
- Developed proof-of-concept solutions integrating Generative AI (Bedrock), data analytics (Athena, Glue, Redshift), and machine learning (SageMaker).
- Performed cost optimization and security assessments across AWS workloads, improving efficiency and security by 15%.
- Built and deployed a fully automated sentiment analysis pipeline processing 1M+ feedback records, enabling real-time insights for product development.
- Fine-tuned foundational models in Amazon SageMaker using instruction training, achieving a 5% increase in accuracy.

Software Developer Intern – WOPLLI Technologies | Remote, NY

Jun 2024 – Sep 2024

- Designed Virtual Credential System (VCS) for decentralized identity ecosystems.
- Configured and tested Azure environments for application hosting and deployment.
- Produced data flow and architecture diagrams in Visio, aligned with data governance policies.

IT Support Intern – Mayor's Office of Information Services | New York, NY

Feb 2024 – May 2024

- Automated troubleshooting with Python scripts, reducing manual workload.
- Monitored logs with SOAR and SIEM tools to identify abnormal activities.
- Supported VIP users, ensuring secure system access (Active Directory, VPN, VOIP).

IT Instructor Assistant – RF CUNY & Generation USA (Choose-U) | Remote, NY

Feb 2022 – Aug 2023

- Delivered 36 lessons on Linux, PowerShell, and scripting for 200+ learners.
- Achieved a 96% cohort graduation rate by tailoring instruction with learner data insights.

## Core Skills

- Cloud: AWS (EC2, S3, Lambda, RDS, DynamoDB, Glue, QuickSight, Bedrock, Macie, SageMaker)
- Data & ML: Python (pandas, scikit-learn), R, SQL, NoSQL, Forecasting, Anomaly Detection
- AI: Generative AI (LLMs), Model Experimentation
- Security: SIEM, IDS, Active Directory, Linux, Governance & Guardrails
- Visualization: Power BI, Tableau, Matplotlib

- Other: Git, GitHub, Docker

#### Languages

- English (Fluent)
- Spanish (Fluent)

#### Professional Communities

- Society of Hispanic Professional Engineers
- SPS Artificial Intelligence

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