

# **DORIAN A. DIAZ**

1250 Half St SE, #704, Washington, DC 20003 ♦ 202-256-7168 ♦ [dorian.diaz1@outlook.com](mailto:dorian.diaz1@outlook.com)

Systems Administrator ♦ US Navy Veteran ♦ Cloud Computing Student

Security Clearance: Active Top-Secret

## **PROFESSIONAL PROFILE**

Highly accomplished operations specialist with 5+ years of distinguished service in the U.S. Navy, recognized for leading high-performance teams and driving mission-critical outcomes in multinational environments. Served as Lead Track Data Coordinator for Tactical Data Links, supporting U.S. Navy and NATO operations across a 24x7 watch floor. Directed a team of 10+ in system maintenance, troubleshooting, and real-time data coordination, ensuring seamless interoperability and operational readiness.

Currently pursuing a B.S. in Computer Science with a concentration in Cloud Computing at ECPI University, maintaining a 4.0 GPA. Combines military precision, technical acumen, and academic excellence to deliver scalable solutions and lead cross-functional teams in high-stakes environments.

## **PROFESSIONAL EXPERIENCE**

### **07/2025 – Present, Junior AI/ML Engineer, BCS Allegient, Arlington, VA 22203**

- Developed and production-tested NLP workloads using OpenAI, Hugging Face, and LangChain, integrating them into cloud-hosted pipelines for summarization, classification, and retrieval
- Engineered prompt-optimization strategies to improve model accuracy and consistency across distributed inference environments running in AWS
- Designed and deployed containerized AI services using AWS EC2, S3, Lambda, SageMaker, Fargate, ECR, and CloudFormation, leveraging Docker and Kubernetes to support scalable, fault-tolerant architectures
- Implemented cloud migration tasks by refactoring on-prem and local ML workflows into AWS-native services, including moving datasets to S3, containerizing legacy scripts, and orchestrating training/inference through SageMaker and Step Functions
- Built and evaluated deep learning models with PyTorch and TensorFlow, optimizing GPU utilization, data throughput, and cost efficiency across cloud compute environments such as EC2 G-instances and SageMaker training jobs
- Utilized AWS IAM, VPC, CloudWatch, and Secrets Manager to secure, monitor, and automate ML pipelines in alignment with cloud-security best practices
- Authored technical documentation covering cloud architecture, model training workflows, CI/CD integration points, and evaluation metrics to support reproducibility and cross-team collaboration
- Diagnosed and resolved cloud deployment issues including dependency conflicts, CUDA/GPU compatibility, container runtime failures, and networking misconfigurations
- Actively expanding expertise in cloud-native MLOps, ethical AI practices, and scalable model deployment patterns

## **09/2020 – 07/2025, OPERATIONS SPECIALIST 2ND CLASS (E-5)**

### **Tactical Data Link Operator, Harpoon Engagement Planner, System Administrator, Team Lead, US Navy, Norfolk, VA 23505**

- Directed and executed over 100+ hours of system maintenance, diagnostics, and live-fire readiness drills, ensuring flawless SM-2 missile engagements during Exercise Formidable Shield 2023, reinforcing Integrated Air and Missile Defense (IAMD) capabilities across the fleet.
- Achieved a 100% target-engagement success rate across multiple deployments through precision calibration, radar-to-weapon interface validation, and multi-platform link integration.
- Engineered and sustained tactical data-link architectures (Link 11/16, JREAP-C) across 14 allied networks, optimizing routing, encryption, and synchronization for a unified recognized air and maritime picture.
- Served as Lead Tactical Data Link Coordinator (2023-2025), managing multilink topologies, performing waveform analysis, and validating interoperability between U.S. and allied C2 systems to ensure seamless tactical synchronization.
- Completed over 800 hours of advanced troubleshooting, waveform analysis, and network optimization, enhancing reliability and throughput during seven multinational exercises with eight NATO partners.
- Sustained 100% connectivity of five mission-critical data links across four major deployments, strengthening operational resilience and command-and-control continuity.
- Engineered and maintained secure, real-time digital communications via Tactical Data Links (Link 11, Link 16, JREAP-C) through encrypted protocols, multilink gateways, and cross-domain data-fusion systems supporting distributed C2 operations.

## **EDUCATION**

**Bachelor of Science, Computer Science**, ECPI University, Manassas, VA, 20109, Expected Graduation in May 2026, GPA 4.0

**Naval Multi Tactical Digital Information Link School (NEC W23A)**, US Navy, Damneck, VA 23461, 2023

**Tactical 1A Harpoon Engagement Planning Operator School (NEC 702B)**, US Navy, Damneck, VA 23461, 2021

## **CERTIFICATIONS / PROFESSIONAL TRAINING / SKILLS**

### **Certifications & Training**

- NVIDIA Applications of AI for Predictive Maintenance (2025)
- NVIDIA Fundamentals of Deep Learning (2025)
- AWS Cloud Practitioner (2025)
- Enlisted Surface Warfare Specialist (2023)

## **Cloud Computing & Infrastructure**

- Experienced in AWS services: EC2, S3, IAM, Lambda, ECS, VPC, DynamoDB, and Sagemaker
- Skilled in infrastructure-as-code formats: JSON, YAML, Terraform, CloudFormation, AWS CLI
- Experience with Docker and Kubernetes for containerization and orchestration of cloud-native applications
- Experienced in cloud scaling, provisioning, and security best practices

## **Software Development & AI**

- Languages: Python, C++, JS, CSS
- Frameworks: PyTorch, Deep Learning architectures, CUDA, and TensorFlow
- Specialized in LLM creation and model fine-tuning

## **Version Control & Collaboration**

- Git: repository cloning, code push/pull, branch management
- Familiar with CI/CD workflows and team-based development

## **Network & Systems Administration**

- Platforms: Linux, Windows (PowerShell/ISE)
- IP addressing, firewall configuration, and protocol management (OSPF, RIPV2, HTTP/S)
- Microsoft Active Directory: user/group policy management and domain services

## **Project website**

[Dorian A. Diaz | Cloud Engineer Portfolio](#)

## **AWARDS AND RECOGNITION**

In recognition of my dedicated service and achievements, I have been honored with the following military and academic awards:

- Naval Achievement Medals (4): Awarded for outstanding achievement or meritorious service not of a nature that merits the Commendation Medal.
- Good Conduct Medals (1): Recognized for exemplary behavior, efficiency, and fidelity during three consecutive years of active enlisted naval service.
- National Defense Medal: Acknowledged for service during a designated national emergency or war.
- Global War on Terrorism (GWOT) Medal: Recognized for service in operations to combat terrorism.
- Battle E: Demonstrated the highest level of battle readiness and operational excellence in their group, recognizing superior command and crew efficiency across various operational areas.

- Meritorious Unit Commendation (2): Meritorious conduct in the performance of outstanding services, showcasing collective effort as a team.
- Deans List (2). For maintaining above a 3.8 GPA.