NOMAR RODRIGUEZ

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SUMMARY

Results-driven Backend Software Engineer and CS M.S. candidate. Specialized in API design, data pipelines, and ML integration. Contributed to BullyBlock on a 7-person team with a proven ability to ship reliable, secure, and well-tested services.

EXPERIENCE

Backend Software Engineer (BullyBlock — Capstone Project)   2024-08 - 2025-05
Old Dominion University • Norfolk, VA
- Co-built BullyBlock on a 7-person team; owned backend services and data pipelines for a Canvas-integrated cyberbullying detection system.
- Designed REST APIs and MongoDB schemas; automated ingestion of LMS posts/images and orchestrated Python-based NLP inference and incident publishing.
- Improved reliability and security with validation, auth, rate limiting, logging/metrics, and test/CI workflows; delivered clear setup docs and scripts.

EDUCATION

Bachelor of Science in Computer Science   2023-08 - 2025-08
Old Dominion University • Norfolk, VA
GPA: 3.62/4.0
- DoD Cyber Service Academy (CSA) Scholar; Linked B.S./M.S. pathway (began M.S. in 2025).
- Capstone: BullyBlock — contributed on a 7-person team; led backend services and data pipelines.
- Core coursework: Operating Systems, Databases, AI/ML, Computer Networks, Software Engineering.

Associate of Science in Computer Science   2021-08 - 2023-05
Tidewater Community College • Virginia Beach, VA
GPA: 3.3/4.0
- Foundation in programming, data structures, and discrete math; projects in Python/C++/Java.
- Transferred to ODU to complete B.S. in Computer Science.

SKILLS

JavaScript • Node.js • Python • C++ • SQL • Express.js • MongoDB • JWT • Git • Linux • REST APIs

PROJECTS

BullyBlock — Canvas Cyberbullying Detection
Technologies: Node.js (Express), Python (NLP), MongoDB, React, REST APIs, TensorFlow/PyTorch
- Backend contributor on a 7-person team; built APIs, data pipelines, and model orchestration.
- Improved reliability and security with validation, auth, logging, and tests.

CERTIFICATIONS

Responsible Conduct of Research (RCR) — Engineers, Basic Course
CITI Program (Collaborative Institutional Training Initiative) • August 23, 2025   View Certificate