NOMAR RODRIGUEZ

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Portfolio | LinkedIn | GitHub

SUMMARY

Results-driven Backend Software Engineer and CS M.S. candidate. Specialized in API design, data pipelines, and ML integration. BullyBlock team contributor (7-person team) with a track record of shipping reliable, secure, and well-tested services.

EXPERIENCE

Backend Software Engineer (BullyBlock - Capstone Project)

Old Dominion University | Norfolk, VA | Aug 2024 - May 2025

- 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

Old Dominion University | Norfolk, VA | Aug 2023 - Aug 2025 | 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

Tidewater Community College | Virginia Beach, VA | Aug 2021 - May 2023 | 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 | Data Pipelines

PROJECTS

BullyBlock - Canvas Cyberbullying Detection

Technologies: Node.js (Express), Python (NLP), MongoDB, React, REST APIs, TensorFlow/PyTorch | Project Website

- Backend contributor on a 7-person team; built APIs, data pipelines, and model orchestration.
- Automated ingestion of LMS posts/images and ML severity scoring; published incidents to the dashboard.
- 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) | Aug 23, 2025 | View Certificate