# DOMINICK ALEXANDER VASKE

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## EDUCATION

**Columbia University in the City of New York**  New York City, NY
*Master of Science in Computer Science*  May 2024 - Dec 2026
- GPA: 4.03/4.0
- Relevant Coursework: Artificial Intelligence, Algorithms, Advanced Programming, Data Structures

**University of Pennsylvania**  Philadelphia, PA
*Bachelor of Science in Engineering with Minor in Mathematics*  Aug 2014 - May 2018
- Cumulative GPA: 3.51/4.0, Cum Laude

## PROFESSIONAL EXPERIENCE

**United States Merchant Marine Academy**  Kings Point, NY
*Instructor of Naval Science and Security Manager*  Jul 2023 - Present
- Advocate on behalf of Department of Naval Science to Education and Leadership Committees, offering strategic insights and recommendations for continuous enhancement to the Dean of Academic Affairs and Superintendent and mentorship to student body
- Orchestrate comprehensive security clearance program for entire student population of 1000 midshipmen, ensuring compliance with stringent security protocols

**United States Navy, Submarine Officer**  Norfolk, VA
*Officer of the Deck / Ship's Duty Officer / Assistant Weapons Officer*  May 2020 - Jun 2023
- Performed rotating shift work at sea / 80 hours per week in port
- Qualified Officer of the Deck (OOD) and assumed responsibility as Captain's direct representative, overseeing safe operations and task execution while at sea for crew of 120 men
- Qualified Ship's Duty Officer, leading complex maintenance schedule of over 100 critical maintenance operations when in port to maintain ship's operational schedule
- Oversaw three divisions within Weapons Department encompassing approximately 50 personnel, ensuring optimal functioning and maintenance of critical Sonar, Fire Control, and Torpedo systems

## PROJECTS

**CrossFit Timer Web Application**  Jul 2025
- Built and deployed a production-ready fitness application featuring 4 workout modes, professional UI/UX design, and cross-device compatibility. Utilized modern web technologies and Git workflow to deliver a polished user experience from concept to deployment.

**Custom HTTP Web Server**  Dec 2024
- Built an HTTP/1.0 web server in C to serve static and dynamic content, integrating a TCP-based database lookup service

**Song Genre Classification**  Nov 2024
- Utilized Principal Component Analysis (PCA) and k-Nearest Neighbors (KNN) to classify song genres, achieving 90% accuracy on a test dataset

## SKILLS

**Programming**: Python, C, Java, HTML, CSS, JavaScript. Experience with HTTP servers, TCP/IP protocols, systems programming, debugging and performance optimization.
**Leadership & Management**: Led diverse teams in high-pressure environments, recognized by crew across multiple deployments as positive Wardroom influence, selected to mentor junior officers.
**Systems Engineering**: Commanded complex submarine systems, streamlined workflows, demonstrated strong analytical and engineering problem-solving skills.
**Strategic Planning**: Consult with senior administrators on academic and leadership committees, shaping future educational programs.

## NAVAL TRAININGS, CERTIFICATIONS, AND AWARDS

**Top Secret Level Clearance**, March 2025 renewal, Awarded Top Secret - Sensitive Compartmented Information (SCI) level clearance for performing missions related to national security aboard nuclear submarines
**D-SAACP Certified Advocate Level I**, January 2024, Recognized and entrusted as certified Victim Advocate within the Navy, offering support and guidance to individuals affected by sexual assault, following successful completion of specialized Navy course
**Two Navy Achievement Medals**, 2021 and 2023, Celebrated for superior team-managing during deployment as Engineering Officer of the Watch, for supervising critical engineering operations, for resolving conflicts as the deployment primary Contact Manager during missions, and for demonstrating exceptional leadership in high-pressure operational environments