

JAMES NGUYEN

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Education

University of Texas at San Antonio

January 2024 – January 2026

Bachelor of Science in Computer Science, GPA: 4.0/4.0

San Antonio, Texas

Relevant Coursework

- Database System
- Software Engineering
- Algorithms Analysis
- Computer Architecture
- Operating System
- Systems Programming
- Cybersecurity Principles
- Cloud Computing

Projects

Morse & Cipher - Translation and Encryption Tool | *Python, AES Encryption, PHP, JavaScript* **March 2025**

- Engineered a web application that converts text to Morse code and supports secure encryption/decryption using AES algorithms.
- Built a responsive front-end using HTML/CSS and JavaScript, enabling real-time Morse code translation and encryption interactions for enhanced user experience.
- Enhanced data security by integrating AES encryption in Python, ensuring confidentiality and integrity of user messages for secure communication.
- Integrated PHP for back-end processing and AJAX for dynamic content updates between the front-end and back-end.

Cybersecurity Assessment – Mock Audit | *NIST Framework, Risk Management* **December 2024**

- Led a comprehensive cybersecurity assessment for a simulated R&D company specializing in EV charging technology, applying the NIST Cybersecurity Framework (Identify, Protect, Detect, Respond, Recover).
- Conducted security audits on network infrastructure, physical security, remote access policies, and data handling, identifying 7+ critical vulnerabilities and proposing mitigation strategies.
- Analyzed shared server risks, weak access control policies, and VPN security gaps, recommending Multi-Factor Authentication (MFA) and Mobile Device Management (MDM) for improved security.
- Performed hardware and software risk evaluations, identifying unregulated software installations on company workstations and developing policy recommendations to enforce security standards.
- Compiled a 20+ page executive report detailing risk assessments and security improvement plans, mirroring real-world cybersecurity consulting practices.

Medusa Gym - E-commerce website | *PHP, MySQL, JavaScript, HTML, CSS* **December 2024**

- Designed and built a full-stack e-commerce platform for gym equipment, integrating a MySQL database with PHP for server-side logic and JavaScript for client-side interactivity.
- Implemented secure user authentication with PHP password hashing to mitigate SQL injection risks.
- Developed a responsive UI for both web and mobile using HTML, CSS, and JavaScript, with real-time cart updates and sortable product listings.
- Designed a scalable MySQL database to support 100+ user accounts, 10+ product categories, and transactional data (orders, receipts, promo codes) optimized with indexed keys.
- Built an admin dashboard for managing inventory, discount codes, and user orders, supporting real-time CRUD operations, accessible to only admin users.
- Led sprint-based development in a team of 5, completing 6+ major features across 4 Agile iterations, including checkout flow, order tracking, and discount system.

Experience

Amazon, Inc

February 2024 – January 2025

Logistic Associate

Austin, Texas

- Troubleshoot and resolved inventory system discrepancies, ensuring 100% accuracy in tracking warehouse assets.
- Conducted quality assurance inspections on 200+ items daily, identifying and resolving 100 % of defects.
- Collaborated with cross-functional teams to streamline packaging and shipping processes, enhancing workflow efficiency.
- Demonstrated strong time management skills by consistently processing 260+ units per hour, maintaining operational efficiency while ensuring on-time shipments.

Technical Skills

Languages: Python, Java, JavaScript, C/C++, C#, HTML/CSS, PHP, SQL

Cybersecurity Models & Frameworks: NIST Cybersecurity Framework, MITRE ATT&CK, Risk Management, Incident Response

Technologies/Frameworks: Microsoft Office, Windows OS, Linux, GitHub, VPN Config