JAMES NGUYEN

Austin, Texas

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Education

University of Texas at San Antonio **January 2024 – January 2026**
Bachelor of Science in Computer Science, GPA: 4.0 *San Antonio, Texas*

Relevant Coursework

- Database System
- Software Engineering
- Algorithms Analysis
- User Interface
- Operating System
- Systems Programming
- Web Technology
- Cloud Computing

Projects

SafeMove - RiverHacks 2025 (Top 5 Overall Track) | *React.js, Python, SerpApi, Docker* **April 2025**

- Built an AI assistant to help users explore safe, affordable neighborhoods across 64 Austin ZIP codes, filtered by budget, lifestyle preferences, and safety rate
- Integrated SerpApi (Google Maps & Yelp) to retrieve and rank 500+ nearby requested services, sorted by proximity, review ratings, and local crime context.
- Processed 10,000+ raw crime reports from Austin Open Data and developed a severity-weighted scoring model to reduce AI model bias between non-violent and violent offenses.
- Designed a decay-based neighborhood grading algorithm that allows the AI to re-evaluate safety rankings over time.
- Delivered a fully functional application in under 24 hours through strong collaboration, adaptability, and clear communication in a 4-person team, contributing to the City of Austin's mission to build a safer and more accessible community.

Medusa Gym - E-commerce website | *PHP, MySQL, JavaScript, HTML, CSS, AWS* **January 2025**

- 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.

Rowdy Bookly - E-commerce website | *PHP, MySQL, JavaScript, HTML, CSS, Heroku* **December 2024**

- Designed and developed an intuitive e-commerce platform to enhance the online book-shopping experience for book enthusiasts, managing a live database with 60+ books, 40+ authors, and 20+ different genres using MySQL
- Optimized search functionality, enabling quick and efficient searches across book records by keyword, genre, and author with minimal load times (less than 2 seconds).
- Implemented query-based sorting features for price, publication year, and title, providing users with a seamless experience when browsing and filtering results.
- Built an administrator dashboard to manage books, authors, genres, and orders, with real-time database updates.
- Prioritized usability and accessibility, ensuring a smooth navigation experience for both novice and advanced users.

Experience

Amazon, Inc **February 2024 – July 2025**
Logistic Associate *Austin, Texas*

- Leveraged attention to detail to maintain accurate inventory management, reducing errors and improving operational efficiency.
- 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, C / C++, C #, HTML / CSS, JavaScript, PHP, SQL
Developer Tools & IDEs: : VS Code, Eclipse, XAMPP, Android Studio, Github
Technologies/Frameworks: Ubuntu Linux, Git, Flask, RESTful APIs, AWS EC2, Google App Engine, Docker