NICK TRINH

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EDUCATION

Fordham University   **May 2027**
Bachelor's, Math and Computer Science   *GPA: 3.7*
- Coursework: Computer Science I & II, Calculus I & II, Data Structures & Algorithms, Database Systems.
- Honors & Awards: Fordham Faber Award ($57,100/yr), UBS 2024 Pitch Competition (3rd Place), Dean's List.

SKILLS

- **Programming Languages:** C/C++, Python, JavaScript, HTML/CSS
- **Technologies & Frameworks:** React.js, Node.js, Express.js, Next.js, Tailwind CSS, MongoDB, Firebase, PyTorch, Tensorflow, AWS, Microsoft Azure, Docker, Git, Linux, Web Development, Object Oriented Programming

PROFESSIONAL EXPERIENCE

OHOS Media   **New York, NY, USA**
Software Engineer Intern   *October 2024 - Present*
- Drove 50% adoption among Fordham students within the first year by developing an AI-powered resume optimization web app using NLP, React.js, Next.js, Tailwind CSS, Node.js, Express.js, and MongoDB.
- Delivered a 4.5/5 user satisfaction score by implementing AI-driven resume analysis and keyword optimization, leveraging AWS for scalable performance and ensuring continuous improvements through user feedback integration enhancements.
- Boosted ATS compatibility scores by 30% through deploying AI-powered enhancements utilizing NLP models and RESTful APIs to optimize keyword targeting and improve resume performance for automated tracking systems.
- Increased interview success rates by 25% and reduced resume creation time by 50% using a user-friendly React.js interface and optimized Node.js/Express.js backend, integrated with scalable AWS cloud infrastructure.

Rainscales   **Remote**
AI Engineer Intern   *June 2024 - August 2024*
- Developed an AI model with YOLO, ByteTrack, and PyTorch to track and count alcohol-tested workers, achieving 94% precision through advanced data preprocessing and augmentation techniques.
- Quantized and deployed model on an NVIDIA Triton Inference Server, decreasing size and inference time by 50%.
- Optimized user accessibility and deployment scalability by building a user-friendly interface with Gradio for AI model inference and containerizing the application with Docker, resulting in a 30% reduction in deployment time and enabling seamless scaling across multiple environments.

Fordham Robotics & Computer Vision Lab   **New York, NY, USA**
Research Assistant   *February 2024 - Present*
- Enhanced lab efficiency by assembling and programming robotic systems with ROS2 and C++, reducing prototyping and testing times by 40%, enabling faster iteration and more effective research activities.
- Advanced visual homing research by utilizing Visual Place Recognition (VPR) and integrating YOLO for object detection, contributing to a 20% increase in project accuracy and successful collaborative outcomes.

PROJECTS & OUTSIDE EXPERIENCE

E-commerce website - *Link to project*
- Engineered an e-commerce platform using Node.js, React.js, Express.js, and MongoDB with secure authentication and Redis caching, improving backend response times by 30%.
- Implemented core features including product CRUD operations, real-time analytics, and an admin dashboard, enhancing operational efficiency by 35% and enabling control over data management and business processes.
- Designed a responsive frontend with React and Tailwind CSS, integrating token-based authentication, dynamic product listings, and a streamlined checkout process, resulting in a 25% improvement in front-end performance speed.

LinguaWealth (3rd place in UBS Pitch 2024) - *Link to project*
- Developed an AI-powered assistant using AWS and Azure APIs for real-time voice transcription and translation, enabling seamless multilingual communication and improving client engagement.
- Created live webcam captioning using OpenCV, delivering instant multilingual transcriptions, which enhanced advisor-client interactions by providing accurate visual support for cross-language communication.
- Integrated GPT-4 API for conversation analysis, producing actionable insights that optimized client interaction strategies, increasing advisor productivity through automated recommendations and enhanced multilingual advisory support.