

NICK TRINH

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EDUCATION

Fordham University

Bachelor's, Math and Computer Science

May 2027

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

Software Engineer Intern

New York, NY, USA

October 2024 - Present

- Collaborated on the development of an AI-powered web application to help students create and optimize resumes, using machine learning and NLP for personalized feedback and keyword suggestions/optimizations.
- Implemented and integrated core features including AI-driven resume analysis, keyword optimization, and bullet point enhancement to boost ATS compatibility and user job application success rates.
- Contributed to developing a responsive and user-friendly frontend using React.js/Next.js, and Tailwind CSS.
- Ensured seamless backend operations and performance by developing RESTful APIs using Node.js, Express.js, and MongoDB and incorporating cloud infrastructure with AWS.

Rainscales

AI Engineer Intern

Remote

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%.
- Created a user-friendly interface with Gradio for inference, and containerized the app with Docker, enabling production use and scaling purposes.

Fordham Robotics & Computer Vision Lab

Research Assistant

New York, NY, USA

February 2024 - Present

- Assembled and programmed robot systems with ROS2 and C++, facilitating research activities and improving lab efficiency by enabling faster prototyping and testing.
- Participated in visual homing research utilizing Visual Place Recognition (VPR) and YOLO, contributing to successful project outcomes with fellow researchers.

PROJECTS & OUTSIDE EXPERIENCE

E-commerce website - [Link to project](#)

- Developed an e-commerce website using Node.js, React.js, Express.js, and MongoDB, featuring secure authentication, Redis caching, product CRUD operations, and integrated Stripe payments.
- Implemented core functionalities like shopping cart, coupons, analytics, and an admin dashboard for managing products and user data in real-time.
- Designed a responsive frontend with React and Tailwind CSS, handling token-based authentication, dynamic product listings, and a seamless checkout experience.

LinguaWealth (3rd place in UBS Pitch 2024) - [Link to project](#)

- Developed an AI-powered personal assistant helping wealth advisors approach international clients/markets.
- Integrated AWS and Azure API services for real-time voice transcription and translation, enabling seamless multilingual communication and enhancing the quality of the advising session.
- Utilized OpenCV for live webcam captioning and integrated GPT-4 API for conversation analysis, providing actionable insights and information to wealth advisors and improving client interaction.