

Anh Tran

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EDUCATION

University of Cincinnati

Availability for Co-op: Spring 2026 / Fall 2026

Bachelor of Science in Computer Engineering

GPA: 3.79/4.00

Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management, Digital Design & Digital Systems, Cybersecurity, Network Analysis, Semiconductor Physics, Prompt Engineering, Artificial Intelligence

Affiliated: CodePath, UC Powerlifting

TECHNICAL SKILLS

Languages: C/C++, Python, C#, MATLAB, LabVIEW, JavaScript/TypeScript, PHP, SQL, HTML/CSS

Frameworks: React, Node.js, Express.js, Django, Flask, Tailwind CSS, Socket.io

Tools: Git/GitHub, Docker, VS Code, Visual Studio, DataGrip, Figma

Databases: SQLite, MySQL, PostgreSQL, MongoDB

EXPERIENCE

JSC Bank for Foreign Trade of Vietnam (Vietcombank)

May 2025 – Jul. 2025

Technical Assistant Intern

Hue, Vietnam

- Maintained and troubleshot 50+ branch PC systems, sustaining 99% uptime and uninterrupted banking operations.
- Guided 100+ customers every biweekly in adopting digital banking services, reducing in-branch transactions by 15%.
- Optimized reporting workflows for senior management, contributing to a 15% improvement in service efficiency.

University of Cincinnati Learning Commons

Aug. 2025 – Present

SRS Leader – Calculus I

Cincinnati, OH

- Facilitate 2 weekly review sessions for 40+ students, creating interactive quizzes and visual learning aids in Canva to strengthen problem-solving skills; contributed to a 20% grade improvement on practice assessments.
- Conduct real-time surveys weekly and Q&A using Mentimeter to identify knowledge gaps and adapt teaching strategies, with 90% of students reporting higher confidence in applying calculus concepts.

University of Cincinnati College of Engineering & Applied Science

Jan. 2025 – May 2025

Lead Robot Designer – Autonomous Debris-Sorting Robot

Cincinnati, OH

- Spearheaded design and programming of an autonomous robot using LEGO EV3; implemented ultrasonic, color, touch, and line-following sensors to achieve 90%+ accuracy in debris detection, curving path handling, and sorting.
- Engineered and iteratively prototyped a forklift-style pickup mechanism capable of lifting 25g–125g debris, optimizing torque, balance, and material selection to improve reliability during competition-style testing.
- Coordinated with a 4-member interdisciplinary team to merge LabVIEW coding, mechanical design, and system testing; delivered a fully functional robot and presented results to 50+ faculty and peers.

PROJECTS

DietApollo (GitHub) | Django, React, SQLite, REST API

Jul. 2025

- Built a full-stack nutrition tracking system with authentication, CRUD recipes, grocery lists, and calorie logging.
- Integrated REST APIs with CSRF-protected AJAX calls, supporting real-time updates and secure user interactions.
- Designed a mobile-responsive, pixel-styled UI with custom CSS animations and accessible layouts, which improved usability in both desktop and mobile views and reduced average task completion time by 25% during user testing.

MedSage – RevolutionUC (DevPost) | React, Node.js

Mar. 2025

- Developed a healthcare data hub for patients to log and share health information among doctors and patients.
- Led a 2-person team under a 24-hour hackathon, balancing rapid prototyping and agile task management.
- Presented demo solution to 50+ participants, receiving positive feedback for usability, security, and scalability.

CAMPUS INVOLVEMENT

University of Cincinnati Campus Recreation Center

Aug. 2025 – Present

Fitness Floor Coordinator

Cincinnati, OH

- Supervise daily operations for a fitness floor serving 100+ patrons weekly, conducting safety inspections, and monitoring proper equipment usage to maintain a safe workout environment with zero reported incidents.
- Deliver customer support and conflict resolution, resulting in increased member satisfaction and retention.
- Coordinate with staff to enforce policies and handling shift reports, improving team efficiency across shifts.