

Anh Tran

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EDUCATION

University of Cincinnati

Bachelor of Science in Computer Engineering

Availability for Co-op: Spring 2026 / Fall 2026

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, LangChain/LangGraph

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

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 troubleshooted 50+ branch PC systems, sustaining **99%** uptime and uninterrupted banking operations.
- Guided **100+** customers **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 - Dec. 2025

SRS Leader - Calculus I

Cincinnati, OH

- Delivered **2 weekly** data-driven review sessions for **40+** students, building interactive problem sets and visual learning tools to optimize concept retention, contributing to a **20% improvement** in practice assessment scores.
- Implemented real-time feedback pipelines using Mentimeter to collect and analyze learning data, iteratively refining instructional strategies; **90%** of participants reported increased confidence in applying calculus concepts.

PROJECTS

FixBuddy - MakeUC (DevPost) | *React, Node.js, Express.js, MongoDB, Gemini API, LangChain*

Nov. 2025

- Built an AI-powered repair assistant in a **2-person team**, implementing a dual-agent Gemini (LLM) pipeline that analyzed user-uploaded images and prompts to **achieve 85% item identification accuracy**.
- Integrated secure image uploads, adaptive repair instructions, and automated tutorial retrieval through YouTube Data API, which reduced error-prone or irrelevant outputs by **35-40%** across multiple iterative testing rounds.
- Engineered a multi-agent reasoning system combining Gemini and LangChain, incorporating skill-level adaptation, and step-by-step refinement logic to provide personalized repair guidance across diverse household items.

ResumeHippocrates (GitHub) | *React, Node.js, Express.js, MongoDB, Gemini API, ImageKit*

Oct. 2025

- Developed an AI-powered full-stack resume builder enabling users to generate ATS-optimized resumes with keyword scoring, and contextual rewriting, **increasing evaluation scores by 30%** based on Gemini 2.5 analysis.
- Implemented secure image uploads, adaptive templating with auto-formatting; **reduced profile setup time by 40%** while supporting cross-device syncing, instant PDF export, and multi-theme accessibility features.

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 with custom CSS animations and accessible layouts, improving usability in both desktop and mobile views and **reducing average task completion time by 25%** during user testing.

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 handle shift reports, improving team efficiency across shifts.