

Anh Tran

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EDUCATION

University of Cincinnati <i>Bachelor of Science in Computer Engineering</i>	Expected Dec. 2027 GPA: 3.71/4.00
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management, Digital Design & Digital Systems, Cybersecurity, Network Analysis, Prompt Engineering, Artificial Intelligence	
Affiliated: CodePath, University of Cincinnati Powerlifting Team	

EXPERIENCE

Caphne - Tinder for Study Buddies (caphne.co) <i>Full-stack Software Engineer Fellow</i>	Jan. 2026 - Present <i>Ho Chi Minh, Vietnam</i>
<ul style="list-style-type: none">Engineered a full-stack study partner discovery platform using Nuxt 3 and Node.js, shipping a preference-based matching algorithm with reverse-match support that scaled to 400+ active users across FPT University.Implemented a real-time messaging system using Socket.io with a persistent PostgreSQL schema and browser push notifications, handling 1,600+ daily requests with composable-based notification and connection management.Hardened backend security with JWT and OAuth 2.0 alongside Typebox schema validation middleware across 5+ API endpoints, resolving cross-origin deployment mismatches between Railway and Vercel.	
KatanaID - AI-integrated Authentication Toolkit (katanaid.com)	Dec. 2025 - Present
<i>Founding Engineer</i> <ul style="list-style-type: none">Co-founded and architected a production authentication toolkit in Go and React, implementing JWT identity management, OAuth 2.0, rate limiting, and email verification handling 1,200+ daily requests.Engineered a 4-layer fraud prevention suite including CAPTCHA challenges, browser fingerprinting, trust score engine, and email fraud detection with domain pattern matching and prompt injection sanitization.Integrated Google Gemini AI for avatar generation and deepfake verification, building a PostgreSQL-backed analytics surfacing real-time usage history and user risk scores with under 200ms average response time.	
JSC Bank for Foreign Trade of Vietnam (Vietcombank)	May 2025 - Jul. 2025
<i>Technical Assistant Intern</i> <ul style="list-style-type: none">Maintained and troubleshooted 30+ 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.	

PROJECTS

Inyeon (Live) <i>FastAPI, LangGraph, ChromaDB, scikit-learn, NumPy, Typer</i>	Jan. 2026
<ul style="list-style-type: none">Architected an agentic AI git assistant with FastAPI and LangGraph featuring 4 agents applying scikit-learn clustering across 4 strategies, achieving zero downtime and 100ms median response time in production.Built RAG-powered analysis with ChromaDB + Gemini, developed clustering engine with NumPy across 30+ file types, and achieved 100% test coverage across 90 cases with 95% faster Docker builds (49s to 2.1s).	
AnyuDock (GitHub) <i>AWS S3, Bun, Hono, TypeScript, GitHub Actions</i>	Jan. 2026
<ul style="list-style-type: none">Built a multi-user storage system handling concurrent uploads up to 5GB via presigned URLs to offload transfers directly to S3, achieving sub-500ms p50 response times and eliminating server memory bottlenecks.Architected stateless API with Bun's native S3 client and CORS-enabled endpoints, deployed via GitHub Actions CI/CD for automated releases, enabling horizontal scaling and serving 800+ requests at peak.	
FixBuddy - MakeUC (DevPost) <i>React, Node.js, Express.js, MongoDB, Gemini API, LangChain</i>	Nov. 2025
<ul style="list-style-type: none">Led a 3-person team to build an AI-powered repair assistant, architecting a dual-agent LLM pipeline with Gemini and LangChain that reduced API latency by 56% (32s to 14s) through agent separation.Designed MongoDB schema with 3 collections for users, integrated YouTube Data API for top 3 tutorials, and implemented skill-based prompt engineering across 3 difficulty tiers.	

TECHNICAL SKILLS

Languages: Go, JavaScript/TypeScript, SQL, Python, C/C++, C#, Java, HTML/CSS, MATLAB
Technologies: Nuxt.js, Vue.js, Next.js, React, Node.js, Bun, Express.js, Spring Boot, Chi, Gin, Hono, AWS, Docker, PostgreSQL, MongoDB, MySQL, REST API, FastAPI, Django, Flask, LangChain/LangGraph, ChromaDB, scikit-learn, NumPy, Tailwind CSS, Socket.IO, PyTest, Git, GitHub, Drizzle, Prisma, Supabase, Redis, CI/CD, Agile/Scrum, Linux