

Henry Nguyen

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EDUCATION

University of Texas at Dallas B.S in Computer Science, Minor in Cybersecurity	Richardson, TX Expected 2026
• Relevant Coursework: Data Structures & Algorithms, Advanced Algorithm Design, Software Engineering, Systems Programming in UNIX, Computer Architecture, Probability & Statistics in CS, Programming Paradigms	

WORK EXPERIENCE

Imagine Communications <i>IT Specialist Intern</i>	Jan 2025 - Current Plano, TX
• Optimized Oracle/Salesforce SQL pipelines and ETL workflows, improving reporting and data retrieval by 25%	
• Built interactive Power BI Dashboards monitoring 100+ device endpoints for real-time analytics and operational insights	
• Automated infrastructure provisioning via Terraform to streamline deployments and reduce setup time	
• Support IT operations: network troubleshooting, endpoint security, device provisioning, and onboarding	
Outlier <i>AI Model Trainer (Contract-Based)</i>	Dec 2024 - Current Remote
• Evaluated 150+ LLM technical prompt outputs to surface failure patterns and to improve model robustness	
• Collaborated with researchers to refine prompt engineering, strengthen model alignment, and enhance performance	

PROJECTS

Internship Tracker <i>Next.js, TypeScript, Tailwind, OpenAI API, PostgreSQL</i>	May 2025 – August 2025
• Built a full-stack internship tracker app using Next.js and TypeScript with a scalable system supporting 1K+ records	
• Integrated an AI classification pipeline using OpenAI API with 85% accuracy on automatic categorization	
• Designed a secure PostgreSQL database with JWT-based authentication, ensuring safe storage of user data	
NBA Muse <i>JavaScript, Turso/libSQL, DuckDB, SQLite, Next.js</i>	August 2025 - September 2025
• Developed an NBA stats search engine returning box-score metrics for any player from 1997-2024 using Next.js/SQL	
• Converts user queries into parameterized SQL through Next.js APIs; DuckDB ETL enables instant table and stat summaries	

LEADERSHIP

Basketball Team Co-Captain <i>Filipino Student Association</i>	August 2023 – August 2025 Richardson, TX
• Lead a competitive basketball team, organizing practices, strategies, and game plans to drive team performance	
• Placed 6th in the Texas Tournament, Goodphil, fostering teamwork, open-ended collaboration, and camaraderie	
Technical Operations Volunteer <i>Our Lady of Angels</i>	December 2024 - Current Allen, TX
• Support livestream production and AV workflows including audio routing, encoding, and signal management for weekly services	
• Manage website content updates, media uploads, and basic site configuration while troubleshooting software issues	

SKILLS

Languages: Python, C/C++, Java, TypeScript, JavaScript, SQL, Bash

Tools & Frameworks: Git, Power BI, SSMS, Node.js, React, Next.js, Tailwind CSS, OpenAI API

Database/Cloud: PostgreSQL, Turso/libSQL, DuckDB, SQLite, SQL, Azure DevOPS, Salesforce, Terraform, Docker

Interests: Basketball, Thrifting, Eating and Making Food