Henry Nguyen

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EDUCATION

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

WORK EXPERIENCE

Imagine Communications   Jan 2025 - Current
IT Specialist Intern   *Plano, TX*
- Designed and optimized SQL queries across Oracle and Salesforce databases, improving reporting performance and data retrieval speeds by over 25%
- Built interactive Power BI Dashboards to monitor over 100+ devices and visualize company performances across various departments
- Automated infrastructure departments using Terraform, reducing provisioning time and enabling faster scaling of internal systems
- Provided hands-on IT support for hardware, software, networking, and onboarding while maintaining secure configurations.

Outlier   Dec 2024 - Current
AI Model Trainer (Contract-Based)   *Remote*
- Evaluated and refined AI model outputs on 150+ STEM and coding prompts, identifying logical flaws, edge cases, and improving reasoning accuracy
- Collaborated with researchers to fine-tune large language models, enhancing accuracy, reliability, and adaptability across multiple AI applications

PROJECTS

Internship Tracker | *Next.js, TypeScript, Tailwind, OpenAI API, PostgreSQL*   May 2025 - Current
- Developed a full-stack internship management program using Next.js and TypeScript, implementing a scalable component system that can hold over 100+ records.
- Integrated an AI-powered classification pipeline using OpenAI API, achieving an average of 85% accuracy in automatic categorization of internship entries
- Designed a secure PostgreSQL database with JWT-based authentication, ensuring safe storage of sensitive user data

SpotifAI | *Python, Streamlit, TensorFlow, OpenCV*   Sept 2024 – May 2025
- Developed an AI-driven music recommendation system analyzing over 1000+ listening patterns from user data
- Built an interactive StreamLit dashboard to visualize 100+ recommended music pieces using K-means/t-SNE embeddings

LEADERSHIP

Basketball Team Co-Captain   August 2023 - Current
Filipino Student Association   *Richardson, TX*
- Lead a competitive basketball team of 10 members, organizing practices, strategies, and game plans to drive team performance
- Placed 6th in the Texas Tournament, Goodphil, fostering teamwork, open-ended collaboration, and camaraderie

SKILLS

Languages: Python, C/C++, Java, TypeScript, SQL, Bash
Frameworks: React, Next.js, OpenCV, Streamlit, Tailwind CSS
Databases/Cloud: PostgreSQL, Oracle, Salesforce, AWS, Azure DevOps
Tools: Git, Power BI, SQL Server Management Studio (SSMS)