

# 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, Programming Paradigms

## WORK EXPERIENCE

### Imagine Communications

Jan 2025 - Current

*IT Specialist Intern*

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

Dec 2024 - Current

*AI Model Trainer (Contract-Based)*

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 | *Next.js, TypeScript, Tailwind, OpenAI API, PostgreSQL*

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 | *JavaScript, Turso/libSQL, DuckDB, SQLite, Next.js*

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

August 2023 – August 2025

*Filipino Student Association*

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

December 2024 - Current

*Our Lady of Angels*

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