Anh Tu Do

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EDUCATION

University of Texas at Dallas (UTD)   **Expected May. 2026**
BS + MS, Computer Science, GPA: 3.98   *Richardson, TX*
- **Activities:** Dev Engineer of HackUTD, Web Master of Student Council Communications
- **Awards:** Academic Excellence Scholarship, Dean's List for three consecutive years

SKILLS

Concepts	AI, ML, NLP, LLM, OOP, RESTful API, Database, Cloud Computing, DevOps, Data Structures, Distributed System
Languages	Javascript, Typescript, Python, Java, C/C++, HTML, CSS, MySQL, PostgreSQL, PHP, Dart
Frameworks	React, Next.js, Express.js (Node.js), PyTorch, Flask, TailwindCSS, React Native, Flutter, Hadoop, Spark
Developer Tools	Unix, Linux, Git, Docker, Vagrant, VMWare, VirtualBox, AWS S3, Google Cloud, Firebase, Maven

EXPERIENCE

Software Engineer Intern - Copart | copart.com   **Sep. 2024 - Present**
Full-time - React Native, Android, iOS, Xcode, Android Studio, Typescript
- Working closely with the manager and **10+** software engineers to develop a condition report system for car sellers
- Collaborating in a Scrum environment with daily standups and utilizing Jira for ticket tracking and story point estimation
- Designing extensible and customizable components with multiple variations to streamline development and improve the coding experience for other developers on the team

Software Engineer - HackUTD | github.com/acmutd/hackportal   **Jan. 2024 - Present**
HackPortal (Open-source) - NextJS, TailwindCSS, Firestore, NoSQL
- Worked with a team of **30+ members from different departments** to build an **open-source** platform for user-friendly Hackathon event management, supporting **10+ customizable features** for U.S. Hackathon organizations to use and extend upon
- Developed a team matching system for **200+ student developers** to find suitable teammates faster, creating more opportunities and meaningful connections
- Refactored **5000+ lines of code** across **30+ files** to update outdated dependencies including Material UI v4, React v17, and Next.js v12, opening paths for easier adoptions of state-of-the-art technologies in the future

Web Specialist - University of Texas at Dallas | engineering.utdallas.edu   **Jun. 2024 - Sep 2024**
Part-time - Jira, WordPress, Vanilla HTML, CSS, Javascript, Photoshop, Dreamweaver
- Worked under 2 supervisors with 3 other teammates to maintain and extend features on **10+ different sites** of the Erik Jonsson School of UT Dallas
- Developed scalable static websites by combining Photoshop to edit and manipulate images with HTML, CSS, and Javascript to bypass the limitations of WordPress plugins

Founding Software Engineer - Yoyo Shortcut | yoyoshortcut.com   **Sep. 2022 – Dec. 2023**
Internship - Typescript, React, NextJS, TailwindCSS, Stripe   *Fort Worth, TX*
- Collaborated with **CEO** on a cross-platform Bookmark Manager Tool to enhance browser productivity with customizable link shortcuts and nested link databases, serving over **20+ daily active users**
- Implemented a comprehensive Google OAuth2 flow using NextJS and JSON Web Tokens, encouraging **73%** of incoming users to opt into Google Authentication and reducing login/signup time by **3 minutes**
- Designed internal toolchains with REST APIs and Job Queue Infrastructure, optimizing waitlist management of **200+ users** and email scheduling for **CEO** to focus on the business side

Software Engineer - Greater Dallas Youth Orchestra | gdyo.org   **Aug. 2023 – Dec. 2023**
Internship - React Native, Expo, Express   *Fort Worth, TX*
- Developed a mobile app on both iOS and Android for the **Director** of the non-profit organization to manage classes and attendance for over **470+ students** and notify their parents of important events in real time
- Mentored a team of **5 members** who were new to full-stack development and successfully delivered a Minimum Viable Product (MVP) to the Director in **one semester**

PROJECTS

Micrograd | Python, PyTorch, Deep Learning, Neural Network, Loss, Optimization | github.com/doanhtu07/micrograd_from_scratch
- Built a simple neural network infrastructure from scratch that models the architecture and code design of Tensor in PyTorch
- Learned a wide range of topics on Deep Learning including backpropagation, loss function, gradient descent, and training phase