

# Anh Tu Do

(863) 257-9906 ❖ doanhtu07@gmail.com ❖ [linkedin.com/in/toodope](https://www.linkedin.com/in/toodope) ❖ [tudope.com](https://www.tudope.com)

## EDUCATION

### University of Texas at Dallas (UTD)

BS, Computer Science, GPA: 3.98

Dec. 2024

Richardson, TX

- **Activities:** Web Specialist at Jonsson School, Software Engineer at HackUTD, Web Master at Student Council Communications
- **Awards:** Academic Excellence Scholarship, Dean's List for three consecutive years

## SKILLS

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

## EXPERIENCE

### Software Engineer Intern - Copart | [copart.com](https://copart.com)

Sep. 2024 - Present

Full-time - React Native, Android, iOS, Xcode, Android Studio, Typescript

Dallas, TX

- Working closely with manager and **10+** software engineers to develop a condition report system for car sellers from many countries
- Designing extensible and customizable components with good coding patterns to streamline development and improve the coding experience for other developers on the team
- Collaborating in a Scrum environment with daily standups and utilizing Jira for ticket tracking and story point estimation

### Founding Software Engineer - Yoyo Shortcut | [yoyoshortcut.com](https://yoyoshortcut.com)

Sep. 2022 – Present

Founder - Typescript, React, NextJS, TailwindCSS, PostgreSQL, Redis, Docker, Stripe

Fort Worth, TX

- Collaborating with another **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**
- Implementing 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**
- Designing internal toolchains with REST APIs and Job Queue Infrastructure, supporting waitlist management of **200+ users**

### Software Engineer - HackUTD | [github.com/acmutd/hackportal](https://github.com/acmutd/hackportal)

Jan. 2024 - Dec 2024

HackPortal (Open-source) - NextJS, TailwindCSS, Firestore, NoSQL

Richardson, TX

- 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 any U.S. Hackathon organizations to extend upon
- Developed a suite of **10+ scripts** for Firebase to handle data export and import between Firebase buckets and developed converters to transform data into CSV files for directors to monitor RippleHack live event data
- 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](https://engineering.utdallas.edu)

Jun. 2024 - Sep 2024

Part-time - Jira, WordPress, Vanilla HTML, CSS, Javascript, Photoshop, Dreamweaver

Richardson, TX

- 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

### Software Engineer - Greater Dallas Youth Orchestra | [gdyo.org](https://gdyo.org)

Aug. 2023 – Dec. 2023

Freelance - React Native, Expo, Express

Dallas, 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](https://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