

# Adrian Tran

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## Education

**The University of Texas at Dallas**

**Aug 2023 – May 2027**

B.S. in Computer Science

GPA: 3.8 / 4.0

## Technical Skills

*Languages:* Java, Python, C++, JavaScript/TypeScript, HTML, CSS, C

*Frameworks/Tools:* React, NextJS, Flask, Figma, Git, GitHub, Kanban

## Projects

**Digital News Assistant** - JPMorganChase, Code for Good 2025

**Oct 2025**

- Partnered with a team of 6 to build a full-stack web application for the *Black Heart Association* to improve nonprofit client management and communication
- Oversaw front-end implementation using React, HTML and CSS, refining interface layouts and enhancing accessibility for a responsive and seamless user experience
- Connected the UI to backend services powered by Python, Flask, NewsAPI, and BART, enabling live weekly policy updates and automatic news summarization for increased efficiency in internal operations
- Delivered a polished final demo to 6 JPMorganChase engineers and a representative of the *Black Heart Association*, showcasing a scalable platform that supports community health initiatives

**TalentTrade** - ACM Projects

**Aug 2024 – Nov 2024**

- Produced a web app in a team of 4 that serves as an online learning community where university students can exchange knowledge and skills through direct messaging and virtual peer-to-peer lessons
- Spearheaded front-end design and developed overarching aesthetic of the web app using Figma, and implemented fully responsive, animated pages using HTML and CSS
- Utilized React state management and JavaScript to integrate Google Sign-In API and Zoom API for authentication and virtual meeting functionality
- Showcased product with a detailed end-of-term presentation to 5 industry judges, faculty, and other students

**EarnNest** - HackUTD 2024: Ripple Effect

**Nov 2024**

- Led front-end development in a team of 4, building a website in 24 hours that provides banking services to underbanked communities, implementing Llama AI and Google Cloud OCR to facilitate personalized financial advising
- Created and applied cohesive design system across entire website using Figma, HTML, and CSS, enhancing user experience with intuitive interfaces and a polished aesthetic
- Integrated core functionality and web app flow, including user authentication, Google Cloud OCR, and Llama AI using React and JavaScript
- Presented to over 10 industry professionals, earning recognition for front-end design while competing against nearly 280 other teams

**AeroVista** - ACM Research

**Mar 2024 – May 2024**

- Collaborated in a team of 6 to research the strengths and weaknesses of Mask R-CNN and RTMDet object detection models for improving efficiency in search-and-rescue missions
- Engineered Tello drones to collect over 100 images for training data, leveraging DJITelloPy for precise drone control and OpenCV for image processing, manually annotating the dataset using the Voxel51 annotation API
- Analyzed and presented findings with a detailed report and symposium presentation to an audience of over 100 students and industry professionals, winning most popular project vote from attendees

## Awards

*ACM Research People's Choice Award*

**May 2024**

*National Merit Scholarship Recipient*

**Mar 2023**

*Beaver Works Summer Institute UAV Final Project 1st Place*

**Aug 2022**