

Education

Texas A&M University // College Station, TX

May 2026

BS in Computer Science, Minor in Mathematics & Graphic Design

GPA: 4.00

- Dean's Honor Roll, Engineering Honors Program
- Coursework: Data Structures & Algorithms, Computer Architecture, Software Engineering, Computer Systems, Cybersecurity

Experience

Highlight

Remote

Software Engineer Intern

Aug 2024 – Present

- **Decreased load times by 40%** by optimizing content payload for documentation section, **reducing payload sizes by 65%**
- Ideated and implemented fixes to improve the documentation section by optimizing data fetching with **TypeScript, Next.js**

Meta

Menlo Park, CA

Software Engineer Intern

May 2024 – Aug 2024

- Developed a web gallery for a new UI library, increasing adoption across **multiple core products reaching billions of users**
- Streamlined development process by features allowing engineers to test different styles and variants with **React, PHP, GraphQL**
- Ideated and implemented nice-to-have features beyond original scope for elevated user experience and code modularity

Hewlett Packard Enterprise

Durham, NC

Software Engineer Intern

May 2023 – Aug 2023

- Automated CI/CD pipelines for **500+ repositories** using **GitHub Actions** workflows, **reducing metric reporting times by 75%**
- Implemented end-to-end pipeline to collect and store CI and deployment metrics with **Go, Python, PostgreSQL**
- Developed a centralized dashboard reporting metrics with an alert-focused design and customizable views with **React**

TAMUhack

Texas A&M University

Technical Director

May 2023 – Present

- **Amassed 10K+ visitors** by developing website experiences for the largest student-run hackathon in Texas with **800+ attendees**
- Implemented internal dashboard for organizers to quickly access day-of information with **React** and **PostgreSQL**
- Facilitated development of mentoring system, HelpR, to help connect participants with mentors during the hackathon

Projects

Metrovism

Sep 2023 – Present

- Developed a full stack web application to visualize and test users' knowledge of **200+ metro systems** across the world
- Leveraged OpenStreetMap's **GeoJSON** data to generate metro network maps for interactive quizzes
- Built with **OpenStreetMap API, SvelteKit, Node.js** and **MongoDB**

Dash

Mar 2024

- Created a virtual driving assistant with **real-time detection** of road hazards, traffic signals, stop signs, and lane departure
- Integrated crash detection system with **Twilio** to alert emergency contacts in the event of an accident
- **1st overall** at tidalTAMU Hackathon 2024, built with **SvelteKit, OpenCV, Tensorflow**

More projects found at github.com/ysadamt

Honors & Awards

Hackathons: Winner of 3 hackathons. Most submissions found on devpost.com/ysadamt

- **Best Use of AI** at CodeRED 2024 (Univ. of Houston) - Accessibility tool to interact with Spotify with gestures, with **SvelteKit**
- **Most Creative Use of GitHub** at RowdyHacks 2023 (Univ. of Texas San Antonio) - Gamified platform for visualizing hackathon statistics from Devpost links, with **React, TypeScript** and **GitHub API**

Skills

Programming: (Proficient): JavaScript, TypeScript, C++, Python (Experienced): SQL, Java, Go, Shell, PHP

Tools/Frameworks: React, Next.js, Svelte/SvelteKit, HTML5/CSS3, Git, PostgreSQL, MongoDB, Kubernetes, Docker, Figma, GraphQL

Languages: English (Native), Chinese (Native)