

Education

**Texas A&M University** // College Station, TX

*BS in Computer Science, Minor in Mathematics & Graphic Design*

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

May 2026

GPA: 4.00

Experience

**Highlight.io (YC W23)**

Software Engineer Intern

Remote

Aug 2024 – Mar 2025

- 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**
- Integrated an **AI-powered support system** into documentation and product interfaces, enhancing overall customer satisfaction

**Meta**

Software Engineer Intern

Menlo Park, CA

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**

Software Engineer Intern

Durham, NC

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**

Technical Director

Texas A&M University

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 **GeoJSON** data to generate metro maps for quizzes, built with **OpenStreetMap API, SvelteKit**, and **MongoDB**

**Dash**

Mar 2024

- Built a driving assistant that detects road signs, traffic signals, and lane departures in **real time**, with a built-in crash alert system
- Won **1st overall** at tidalTAMU Hackathon 2024, built with **SvelteKit, OpenCV, Tensorflow, Twilio**

More projects found at [github.com/ysadamt](https://github.com/ysadamt)

Honors & Awards

**Hackathons:** Winner of 5 hackathons. Most submissions found on [devpost.com/ysadamt](https://devpost.com/ysadamt)

- Most Creative Use of GitHub** at RowdyHacks 2023 - Platform for visualizing hackathon statistics from any Devpost link
- Best Use of AI** at CodeRED 2024 - Accessibility tool to play, pause, skip and save songs on Spotify with hand gestures
- Best Design** at HackUTD 2024 - Gamified app that helps neurodivergent kids learn emotions using real-time facial feedback, 3D mascots, and sentiment analysis

Skills

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

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

**Languages:** English (Native), Chinese (Native)