

Education

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

BS in Computer Science, Minor in Mathematics & Graphic Design

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

May 2026

GPA: 4.00

Experience

**Meta**

Software Engineer Intern

New York, NY

May 2025 – Aug 2025

- Shipped two **generative AI-powered** daily games (Horoscope, Personality Quiz) on the Facebook app with **50K+ impressions**
- Developed end-to-end features with **React Native, PHP**, and **GraphQL**, iterating based on feedback from user testing sessions
- Owned the **full development cycle** from prototype to launch while collaborating with a PM and UX designer in an incubator team

**Highlight.io (YC W23)**

Software Engineer Intern

Seattle, WA (Remote)

Aug 2024 – Apr 2025

- Decreased load times by 40%** by optimizing content payload for documentation section, **reducing payload sizes by 65%**
- Integrated an **AI-powered support system** into documentation and product interfaces, enhancing overall customer satisfaction

**Dream Lab**

Undergraduate Researcher

Texas A&M University

Aug 2024 – Present

- Led a **6-month research project** with a 3-person team to build an AI math tutoring system to improve student engagement
- Developed a full-stack tutor training system to simulate students in online learning; co-authored paper published in **CHI 2025**

**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**

**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**, and **React**

**TAMUhack**

President

Texas A&M University

Mar 2025 – Present

- Led a passionate **26-person team** to organize one of the largest student-run hackathons in Texas with **800+ attendees**

Technical Director

May 2023 – Mar 2025

- Amassed 15K+ visitors** by developing website experiences and in-house mentoring system, HelpR, built with **Next.js**

Projects

**Metrovism:** Website to visualize and test users' knowledge of **200+ metro systems** across the world, built with **SvelteKit** and **MongoDB**

**Curato:** AI-powered art search tool that finds artwork through natural language queries, built with **Next.js, GraphQL**, and **Gemini API**

Honors & Awards

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

- Grand Prize** at tidalTAMU 2024 - Driving assistant with real-time road monitoring and crash alerts using **OpenCV** and **Tensorflow**
- 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

Skills

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

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

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