

Mercedes Xiong

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EDUCATION

The University of Texas at Dallas

Richardson, TX

Bachelor of Science in Computer Science

Spring 2027

- Relevant Coursework: Advanced Algorithms, Data Structures, UNIX, Computer Architecture, Database Systems, Introduction to Machine Learning

PROJECTS

Sage | Python, AWS Lambda, AWS DynamoDB, React.js, Tailwind CSS

May 2025 – Present

- Designed and implemented responsive, user-centered interfaces for an AI-powered academic advising platform serving 2,200+ UT Dallas students in its first semester.
- Built intuitive mobile-first UI flows for chatbot interactions, authentication, user profiles, and degree planning using React.js and Tailwind CSS.
- Collaborated closely with backend and AI teams to integrate APIs into the frontend, ensuring seamless data flow and real-time chatbot interactions.

Lumina | AWS Lambda, DynamoDB, EventBridge, Node.js, React Native, Expo

Aug 2024 – Nov 2024

- Designed and developed a mobile app delivering live weather data and curated social and celestial events
- Collaborated in a team environment to build a full-stack application using React Native and AWS serverless services
- Integrated AWS Amplify, Lambda functions, and DynamoDB for scalable backend logic and data storage
- Awarded **1st Place Design Winner** at ACM Projects Fall 2024

STUDENT ORGANIZATIONS

ACM Executives

Richardson, TX

Vice President

Dec 2025 – Present

- Managed the largest ECS student organization at UT Dallas composed of eight divisions comprising 160+ officers, fostering cross-division collaboration and sustainable organizational growth.
- Established and executed long-term strategic goals in collaboration with UTD faculty and staff to enhance student engagement and address community needs.
- Supervised the planning and delivery of 100+ events, providing professional development, networking, and technical growth opportunities for students.

ACM Community

Richardson, TX

Community Director

Aug 2024 – Present

- Led two cross-functional teams of 20+ officers to design and execute high-impact community events
- Increased event attendance by over 100% through data-driven outreach, branding, and inter-org collaboration
- Mentored students in leadership, communication, design, and event logistics
- Conducted officer interviews, contributing to a 100% increase in team size

ACM Development

Richardson, TX

Front End Developer & Designer

May 2025 – Present

- Contributed to **SAGE**, a full-stack web app featuring an AI chatbot simulating a UT Dallas academic advisor
- Designed and implemented responsive React.js components aligned with UTD branding and UX standards

WORK EXPERIENCE

Little Elm Public Library

Little Elm, TX

Library Assistant

Jul 2024 – Present

- Maintained and processed library materials while ensuring accurate record-keeping and data integrity
- Organized and supported educational programs for diverse age groups within the community
- Utilized library management systems including Koha and Bibliotheca to manage data and resources

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (React Native, React.js, Next.js, Node.js), TypeScript, Python, Java, C/C++, HTML, CSS, Tailwind CSS

Databases & Platforms: MongoDB, PostgreSQL, AWS (Lambda, DynamoDB, EC2, S3), Firebase, Vercel