

You “Claire” Wu

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EDUCATION

Texas A&M University, College of Engineering College Station, Texas
Bachelor of Science in Computer Science, Minors in Statistics and AI in Business

Collin College Allen, Texas
Associate of Arts in Business, summa cum laude

EXPERIENCE

SMART Program College Station, Texas
Undergraduate Research Assistant January 2025 – Present

- Completed REDCap training to support lab’s technologies in order to build surveys for study participants, monitor data, and perform data analysis
- Designed Figma mockups to enhance lab website UX/UI
- Earned CITI certification and completed data privacy trainings (FERPA and information security awareness) to ensure compliance with research ethics

Signify Health College Station, Texas
Software Engineering Consultant September 2024 – May 2025

- Developed Signify Hex, a data visualization tool that leverages React/TypeScript, UberH3, Go, PostgreSQL, and other technologies to connect a network of medical providers with patients, through Aggies Create
- Optimized hex interactions by implementing live color changes on hover, enhancing the UI of the popup with dark mode, and enabling dynamic data fetching via gRPC contracts
- Implemented Redis-based change tracking in Socks WebSocket service, signaling frontend data refresh only after ≥ 10 database changes to reduce unnecessary data pulls and improve performance
- Programmed travel hex overlay using React, Mapbox, TypeScript, and Uber H3 to visualize provider reachability based on location and travel radius
- Presented live demos to Signify Health software engineering leadership, including the VP of SWE
- Awarded 1st place among consultancy projects at Aggies Create Innovation Expo (Spring 2025)

Engineering Teaching Assistants Organization (TAO) College Station, Texas
Software Engineer Intern February 2024 – February 2025

- Built the TAO website over the school year and summer break with fellow SWE interns, applying React, Tailwind CSS, and other technologies, for a community of 5,000+ engineering students

MSC FISH (Memorial Student Center Freshmen in Service & Hosting) College Station, Texas
Development Committee & Promotions Subcommittee Member September 2023 – May 2024

- Coordinated various large-scale events, raising over \$35,000 and attracting 800+ attendees

SKILLS & ACTIVITIES

Languages: Fluent in English and Mandarin Chinese

Programming Languages: Python, R, TypeScript, C++, Java, HTML/CSS

Frameworks & Databases: React, Next.js, Node.js, Polars, Pandas, Bootstrap, Tailwind CSS, PostgreSQL, Kafka, Redis, OpenAI API

Other: Figma, Git/Github, Docker, Kubernetes, LaTeX, Adobe InDesign, Canva

Activities: Aggie Women in Computer Science, Texas A&M Computing Society, Aggie Coding Club (ACC), Aggie Competitive Programming Club, Aggie Data Science Club, tidaltamu