You "Claire" Wu

Dallas, TX | (469) 230-1605 | y.clairewu@gmail.com | linkedin.com/in/y-clairewu/

EDUCATION

Texas A&M University, College of Engineering   College Station, Texas

Bachelor of Science in Computer Science, Minors in Statistics and AI in Business

GPA: 3.73/4.00

Relevant Courses: ML, ML in Business, Statistical Computing, Computer Graphics, Software Engineering, DSA

Collin College   Allen, Texas

Associate of Arts in Business, summa cum laude

EXPERIENCE

Project SMART: Social Media And Resilient Teens   College Station, Texas

Undergraduate Research Assistant   January 2025 – Present

- Designed the project website using Figma emphasizing user-centered interaction design principles
- Managed and updated participant surveys using REDCap and Qualtrics, devising a streamlined process
- Communicated with branch leadership to set up a Twilio campaign to send automated reminders to research participants and increase engagement
- Earned CITI certification, FERPA, information security, TrainTraq Child Protection, and C-SSRS trainings to ensure compliance with research ethics and safely conduct participant interviews

Signify Health   College Station, Texas

Software Engineering Consultant   September 2024 – May 2025

- Developed Signify Hex, a data visualization tool built with React/TypeScript, UberH3, Go, and PostgreSQL to connect a network of medical providers with patients, through Aggies Create
- Enhanced UX by implementing live color changes on hover, improving popup UI 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 $\geq$ 10 database changes to optimize performance
- Programmed travel hex overlay using React/TypeScript, Mapbox 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 TAO website over the school year and summer break with fellow SWE interns, applying React and Tailwind CSS, 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 large-scale events and led sponsorship efforts, raising $35,000+ and attracting 800+ attendees
- Volunteered for 26+ hours across multiple service projects, such as making care packages at Brazos Valley Food bank, managing local service events, performing park cleanups, and contributing to Texas A&M's Big Event

SKILLS & ACTIVITIES

Languages: Fluent in English and Mandarin Chinese

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

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

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

Activities: Aggie Women in Computer Science, Aggie Data Science Club, tidaltamu

Interests: Community service, weightlifting & fitness, crocheting, learning new skills, DIY projects