

Matthew Lin

🌐 mlin.netlify.app

✉ mlin2778@utexas.edu

🐙 github.com/mlin55

☎ 469-534-4373

EDUCATION

University of Texas at Austin

BS in Computer Science

Austin, TX

Aug 2021 - May 2025

GPA: 3.934

Relevant Coursework: Data Structures, Discrete Mathematics, Computer Organization and Architecture

EXPERIENCE

TWG Companies

Remote

Software Engineer Intern

May 2021 - Aug 2021

- Developed web application components using HTML/CSS, Javascript, React, and Redux to build out the entire front end of a prototype review website
- Collaborated with backend team members to design, build and test RESTful API endpoints connecting to a MongoDB database
- Analyzed UI/UX design frames and provided constructive feedback to improve technical feasibility and enhance user experience
- Facilitated communication with project manager by preparing biweekly status updates

NanoExplorers Program at NanoTechnology Institute

Dallas, TX

Research Intern

Jun 2019 - Aug 2019

- Explored different synthesis processes of carbon fiber composites with resin transfer molding in order to maximize flexibility and strength
- Implemented digital image correlation software to analyze tensile strength of synthesized materials

PROJECTS

Guess the City

Jul 2021 - Aug 2021

- Created web-based quiz in which the player attempts to guess the city based on pictures of its skyline
- Designed and built fullstack web application using React, Redux, and Bootstrap on the frontend and Node.js, Express, and MongoDB on the backend. Hosted using Heroku and Netlify
- Link: <https://guess-the-city.netlify.app/>

TFT Rolling Simulator

Feb 2021 - Mar 2021

- Used HTML/CSS, Javascript, and React to develop web app that simulates the rolling mechanic from Teamfight Tactics, a popular strategy game
- Accumulated over 150 users within first two weeks of release
- Link: <http://tftroll.surge.sh/>

Quizbowl Bonus Bot

Oct 2019 - Dec 2019

- Built Discord bot that automatically pulls bonuses from a database of over 40,000 questions and reads them to the user, compiling detailed statistics on the user's performance over the session
- Developed using Java Discord API as a practice tool for scholastic quizbowl club; accumulated over 30 users in 3 different servers

SKILLS

- Languages: Java, Python, HTML/CSS, Javascript
- Frameworks/Libraries: Express, Mongoose, React, Redux, Bootstrap, Material-UI
- Tools and Technologies: Git, Command line, Node.js, MongoDB, Amazon Web Services