Matthew Lin

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EDUCATION

University of Texas at Austin **Austin, TX**
BS in Computer Science *Expected graduation - May 2024*
GPA: 3.93/4.00

Relevant Coursework: Data Structures, Discrete Mathematics, Computer Organization and Architecture, Principles of Computer Systems (Operating Systems)

EXPERIENCE

Nelnet **Lincoln, NE**
Software Engineer Intern *May 2022 - Present*
- Developed **over 20** RESTful API endpoints using Node.js and deployed using Terraform Cloud and AWS Lambda
- Optimized unit and end-to-end backend tests to run in parallel, improving Github workflow run speed by **more than 70 percent**
- Documented endpoints with the Open API standard via Swagger and used ESLint to standardize the codebase
- Built responsive web components using HTML, CSS, Javascript, and React based on UI/UX design frames in Figma
- Migrated **300+** frontend tests from Enzyme to React Testing Library to match industry standards
- Participated in agile ceremonies including daily standups, weekly one-on-one meetings and biweekly sprints

PROJECTS

Guess the City
- Created web-based trivia game 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/`

E-Commerce Product Recommender
- Used Selenium to scrape Amazon for a specified product and recommend the top results using number of reviews, price, and star rating
- Built Flask UI to allow users to customize results based on their personal preferences

Spotify Recapped
- Used Spotify Web API to display statistics about a user's most listened to artists, songs, and genres over various time frames
- Built using a React frontend and Express backend with OAuth2 standard authorization.
- Link: `https://spotify-recapped.netlify.app/`

TFT Roll Simulator
- Used HTML/CSS, Javascript, and React to develop web app that simulates the rolling mechanic from Teamfight Tactics, a popular strategy game
- Accumulated over 50 users within first two weeks of release

Quizbowl Bonus Bot
- 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:** Javascript, HTML/CSS, Python, Java, C, Typescript
- **Frameworks/Libraries:** Express, Mongoose, React, Redux, Jest, Selenium, Flask, PostgreSQL, Mikro-Orm
- **Tools and Technologies:** Git, Jira, Confluence, Command line, Node.js, MongoDB, AWS, ESLint, Lerna, Terraform, Anaconda, NPM, Figma