

# Jianhong Li

US Citizen | Brooklyn, NY, 11219 | [ljhg@umich.edu](mailto:ljhg@umich.edu) | 718-496-3282 | [GitHub](#) | [Portfolio](#)

## EDUCATION

### University Of Michigan

B.S.E. in Computer Science, **GPA: 3.87/4.0.**

Expected May 2026

Ann Arbor, MI

- Relevant Courseworks: Data Structures and Algorithms, Computer Science Pragmatics, Discrete Mathematics.
- In Progress: Web Systems, Computer Network, Intro to Computer Organization, Intro to Computer Security, Foundations of Computer Science.

## WORK EXPERIENCE

### Kodely

Software Engineer, Intern

Sept 2024 - Present

Remote

- Developing, in a team of four, a full-stack management app for school managers using React, TypeScript, and Nest.js, collaborating in an Agile environment to ensure efficient development cycles, clean code reviews, and rapid feature deployment.
- Managing a PostgreSQL database handling data for over 1,000 schools, ensuring efficient storage, retrieval, and security of large-scale educational data.
- Maintain and update a React Native mobile application designed to assist teachers with lecture inspiration and classroom organization, decreasing administrative workload by 8 hours per week.

### Hong Kong Asian Supermarket

Full-Stack Engineer, Intern

Jun 2024 - Aug 2024

McAllen, TX

- Led the full-stack development of the company's first website with React.js and Node.js; the website attracted over 2,500 unique visits in the first month and boosted sales by 4.5%.
- Created and managed an SQLite3 database that stored over 200 product informations with search functionality, enabling users to query for products.
- Streamlined deployment process using Docker and Google Cloud Run to seamlessly serve the backend, and set up Digital Ocean droplet with Nginx to serve frontend, achieving 99.9% uptime.
- Configured DNS and optimized SEO, improving Google page rankings to first page and tracked performance with Google Search Console. Implemented HTTPS with Certbot to ensure secure and reliable API access.

## PROJECTS

### Type Challenger | [type-challenger](#)

- Collaborated in a team to develop and maintain a web application in React.js and Node.js for tracking typing speed of the user. Designed a simple and intuitive UI that enhanced user experience and engagement.
- Engineered robust server-side functionality in Express and optimized data storage and retrieval of word requests with SQLite3, improving query performance by 25%.

### Michigan Data Science Team

- Leveraged Reddit API and web scraping technique to gather data in over 120 Reddit posts, analyzing in teams to extract key features and transforming it into a structured dataset format for machine learning model training.
- Developed, trained, and evaluated the machine learning models to generate predictions and insights based on extracted Reddit data. Created data visualizations of our findings using Matplot.

### SillySQL

- Wrote a program in C++ to emulate a basic database with an interface based on a subset of a standard queries.
- The program creates a shell that allows users to interact with a single database that is processed in memory and destroyed when the program is quit by the user.

## SKILLS

**Skills:** Full-Stack developer proficient in both frontend and backend. Experienced with web deployment.

**Languages:** C++, Javascript, Typescript, Python, Java, SQL, ARM Legv8, Web Scripting Language (HTML & CSS).

**Technologies:** React.js, Node.js, Express.js, Next.js, Nest.js, Tailwind.css, Docker, Linux, Google Cloud Console, Git, database(Postgresql, firebase, SQLite), Pandas, Jupyter Notebook.