Jianhong Li

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EDUCATION

University Of Michigan Expected May 2026

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

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

WORK EXPERIENCE

Kodely Sept 2024 - Present

Software Engineer, Intern *Remote*

- Developing a full-stack management app for school managers to create, organize, and manage after-school activities using React.js, TypeScript.js, and Nest.js in a team of four.
- Collaborating in an Agile environment to ensure efficient development cycles, clean Git-based code reviews, and rapid feature deployment.
- Manage a PostgreSQL database handling data for over 1,000 schools, ensuring efficient data storage, retrieval, and security of large-scale educational information.
- 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 Jun 2024 - Aug 2024

Full-Stack Engineer, Intern *Mcallen, TX*

- Led the full-stack development of the company's first website with React.js and Node.js; attracted 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 look 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.
- Tracked search performance using Google Search Console and optimized SEO, improving Google page rankings to be on the first page. Implemented HTTPS with Certbot to ensure secure and reliable API access.

PROJECTS

Michigan Data Science Team

- Leveraging Reddit API and web scraping technique to gather over 15,000 data points on the CS job market.
- Analyzing in a team of three to extract key features and transforming data into a structured data frame for machine learning models.
- Developed, trained, and evaluated language learning models (Markov and Naive Bayes) to perform sentiment analysis to make predictions on future job prospects in computer science.

Type Challenger | type-challenger

- Collaborated in a team of two 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%.

SillySQL

- Wrote a program to emulate a basic database with an interface based on a subset of a standard queries, allowing users to interact with a database that is processed in memory and destroyed when the program is quit.

SKILLS

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, Matplot, Jupyter Notebook.
Skills: Full-Stack developer proficient in both frontend and backend. Experienced with web deployment.