Jianhong Li

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EDUCATION

University Of Michigan   Expected May 2026
B.S.E. in Computer Science, **GPA: 3.873/4.0**.   *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 Cybersecurity, Foundations of Computer Science.

Stuyvesant High School - *New York City, NY*   2019 - 2023

WORK EXPERIENCE

Full-Stack Engineer, Intern   Jun 2024 - Aug 2024
Hong Kong Asian Supermarket | mcallenasiansupermarket   *Mcallen, TX*
- Led the full-stack development of the company's first website with React.js and Node.js; the website attracted over 1,500 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 with efficient and accurate data delivery to frontend.
- 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 to improve Google page rankings and tracked performance through Google Search Console. Implemented HTTPS with Certbot to ensure secure and reliable API access.

Michigan Data Science Team   Sept 2023 - Present
Project Team Member   *Ann Arbor, MI*
- Developed advanced machine learning models in a team that predicted trends from data collected by the National Health and Nutrition Examination Survey (NHANS).
- Designed and created data visualizations including the relationship between types of seafood consumed and demographics using Python and Pandas to effectively present insights and findings.

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%.
- Conducted code reviews to uphold quality standards and managed version control with Git, ensuring streamlined development and collaboration.

Personal Portfolio
- Developed a personal portfolio using React.js and Tailwind, creating a visually appealing, yet simple, layout to highlight key skills, project details, professional experience, and career interests.
- Integrated multiple React libraries to enhance user interaction, including custom cursor animations and dynamic scrolling effects with React hooks.
- Designed a clean and responsive frontend optimized for both mobile and desktop devices, ensuring a seamless user experience across all screen sizes.

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 AND LANGUAGES

Skills: Full-Stack developer proficient in both frontend and backend. Experienced with web deployment.
Languages: C++, Javascript, Typescript, Python, Java, SQL, Assembly, Web Scripting Languages (HTML and CSS).
Technologies: React.js, Node.js, Express.js, Next.js, Tailwind.cssDocker, Linux, Google Console, Git, Nginx, Bash, Pandas, database(firebase, SQLite), Jupyter Notebook.