

# Jianhong Li

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## EDUCATION

### University Of Michigan

B.S.E. in Computer Science, **GPA: 3.873/4.0.**

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 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 | <https://mcallenasiansupermarket.com>

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.

### Software and Data Analytic, Intern

Jun 2023 - Aug 2023

New York Fashion Geek

New York City, NY

- Maintained and updated the company website using modern softwares including HubSpot and generative AI, leading to a 15% increase in click-through rates.
- Automated an email marketing campaign with MailerLite, driving a 7% increase in sales.

## PROJECTS

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

May 2024 - Jun 2024

- 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.

### Michigan Data Science Project Team

Sept 2023 - Dec 2024

- Developed advanced machine learning models in a team that predicted trends from data collected by the National Health and Nutrition Examination Survey (NHANS).
- Designed data visualizations using Python and Pandas to effectively present insights and findings.

### SillySQL

Mar 2024

- Wrote a program in C++ to emulate a basic relational database with an interface based on a subset of a standard query language.
- 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, Web Scripting Languages (HTML and CSS).

**Technologies:** React.js, Node.js, Express.js, Next.js, Docker, Linux, Google Console, Git, Nginx, Bash, Pandas, database(firebase, SQLite), Jupyter Notebook.