

# Shuyan Qiao

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## SKILLS

Languages: HTML/CSS, JavaScript, TypeScript, JAVA, python, ADA

Technologies: React, Node.js, Tailwind Css, Material UI, Jest, GraphQL, ESLint, Yarn, Figma, Docker

## EDUCATION

**Master of Technology - MS, Technology Management, University of California - Santa Barbara** **2022 - 2023**

GPA 3.7, Awarded university merit-based scholarships

Data science, Agile software development, Technology-based operations, Finance

**Bachelor of Science - BS, Computer Science, Eötvös Loránd University , Hungary** **2018 - 2022**

Algorithms and Data Structure, Application of discrete models, Cryptography and security, Compilers, Databases, Machine learning, Distributed Systems

## EXPERIENCE AND PROJECTS

**Front-end engineer, American Home textile** **Mar 2024 - Present, New York**

1. Designed and developed responsive websites with pixel-perfect precision (to 2px). Built semantic HTML structures and used the Sass preprocessor for maintainability and reusability. Collaborated with designers and product managers to optimize page structure, perform page reconstruction, and enhance user experience.
2. Implemented various optimizations and features, including server-side processing to generate images with subtle watermarks and tracking the time taken for site-wide requests.
3. Conducted keyword analysis and selection, optimizing for keywords by focusing on density, relevancy, and prominence. Improved the website's ranking on search engine results pages (SERP).

**Software engineer, Airclub software** **Sep 2023 - Feb 2024, San Francisco**

1. Contributed to the development and maintenance of an integrated software platform using TypeScript, React, Node.js, GraphQL, and Tailwind CSS, from requirements gathering to final implementation.
2. Led the development of the membership application independently, including the user interface. Collaborated with the visual design team using Figma. Ensured compatibility with older browsers, building complete functionalities using either graceful degradation or progressive enhancement as needed.
3. Optimized initial page load time using dynamic import and code splitting technologies, loading specific modules only when needed. Reduced unnecessary asynchronous data requests and lazy-loaded non-visible components to minimize rendering blockages.
4. Compressed all images in the project using ImageOptim, achieving an average compression rate of 40%, significantly reducing page load time. Selected the optimal image format based on usage scenarios, such as using WebP.
5. Refactored large components into smaller, reusable ones, reducing complexity and rendering overhead for individual components. Modularized existing complex forms, building reusable, dynamically rendered responsive forms.

**UCSB Field Projects Data Analyst, Women's Economic Ventures** **Feb 2023 - June 2023, Santa Barbara**

1. Conducted extensive data analysis for financing decisions on over 18,000 potential client companies, utilizing advanced data visualization techniques to inform strategic decisions.
2. Developed operational reports and dashboards in Tableau, integrating interactive design elements to enhance stakeholder engagement. Proposed new financing methods that significantly increased the fund recovery rate by over 40%.