

Shuyan Qiao

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Skilled in **front-end and full-stack development** with expertise in **various programming languages and frameworks**. Possesses a solid technical background and innovative ability, dedicated to delivering exceptional user experiences through efficient development and deployment.

EDUCATION BACKGROUND

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|--|---|-------------|
| University of California - Santa Barbara | <i>Master of Technology Management</i> (GPA: 3.7) | 2022 - 2023 |
| <ul style="list-style-type: none">Core Courses: Data science, Agile software development, Technology-based operations, FinanceAwarded university merit-based scholarships | | |
| Eötvös Loránd University | <i>Bachelor of Computer Science</i> (GPA: 3.9) | 2018 - 2022 |
| <ul style="list-style-type: none">Core Courses: Algorithms and Data Structure, Application of discrete models, Cryptography and security, Compilers, Databases, Machine learning, Distributed Systems | | |

WORKING EXPERIENCES

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|---|----------------------------|---------------------|
| American Home textile | <i>Software engineer</i> | Jun 2024 - Present |
| <ul style="list-style-type: none">Contributed to the development of a scalable, data-driven, vendor-independent CRM platform, significantly enhancing customer data management and marketing automation efficiencyUtilized Docker for containerized deployment and coordinated deployment with automated scripts in Bitbucket pipelines, including AWS CLI installation and cluster authentication. Managed cloud resources on AWS, such as EC2, S3, RDS, and Lambda functions, greatly improving product performance and operational efficiencyImplemented responsive, user-centric interfaces using React, Next.js, JavaScript, HTML, and CSS, and developed and maintained a robust backend with Node.js and MongoDBIntegrated the distributed workflow engine Camunda for process orchestration and Keycloak for security authentication, enhancing system efficiency and security | | |
| Airclub software | <i>Fullstack developer</i> | Sep 2023 - Feb 2024 |
| <ul style="list-style-type: none">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.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 neededOptimized 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 blockagesRefactored large components into smaller, reusable ones, reducing complexity and rendering overhead for individual components. Modularized existing complex forms, building reusable, dynamically rendered responsive forms | | |

PROJECT EXPERIENCES

Mingshan Think Tank

Optimized ESG assessment standard analysis API to enhance real-time performance and user experience

- Collaborated with professors from Chinese universities to integrate and optimize ESG (Environmental, Social, and Governance) analysis algorithms using C# and ASP.NET Core, supporting customization and real-time reporting with continuous performance tuning and optimization
- Implemented WebSocket communication via SignalR to provide real-time AI responses and efficient data exchange, improving system responsiveness and speed
- Integrated backend APIs with front-end components to enhance user experience, ensuring functionality accuracy and optimal performance

Women's Economic Ventures

Formed a deep collaboration with a third-party white-label platform to design a full-stack solution for UC and nonprofit field projects

- Conducted extensive data analysis on over 18,000 potential client companies, introducing new financing methods that significantly increased fund recovery rates by over 40%
- Developed operational reports and dashboards in Tableau, integrating interactive design elements to enhance the project's functionality and structure
- Established a white-label solution incorporating storage services, integrating front-end and back-end to create an intelligent management platform

SKILLS & AWARDS

- Programming Languages:** HTML/CSS, JavaScript, TypeScript, JAVA, Python, ADA
- Certificates:** AWS practitioner, ESG CFA
- Frameworks and Libraries:** React, Node.js, Tailwind CSS, Material UI, Jest, GraphQL, ESLint, Next.js
- Tools and Platforms:** Yarn, Figma, Docker, MongoDB