

YIAN GE

Boston, MA

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Education

Northeastern University

Sep. 2024 – Expected May 2026

Master of Science Software Engineering Systems

Boston, MA

- Relevant Coursework: Web Design, UI/UX, Data Structure and Algorithms

University of Texas at Austin

Sep. 2022 – May 2024

Bachelor of Science, Applied Mathematics | GPA: 3.9/4.0

Austin, TX

- Relevant Coursework: OOP, Discrete Math, Linear Algebra, Stochastic Process, Differential Equation, Numerical Analysis, Applied Statistics, Probability, Number Theory, Real Analysis
- Honors: Honoree Listing 2024, Honors Graduate

Baylor University

Aug. 2020 – May 2022

Bachelor of Science Track, Applied Mathematics and Minor in Computer Science | GPA: 3.9/4.0

Waco, TX

- Honors: Dean's List (2021 Spring and Fall)

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++, HTML/CSS, SQL, MATLAB, R, \LaTeX

Frameworks and Libraries: React.js, Next.js, Tailwind CSS, Framer Motion, Django, Spring Boot, JavaFX, MySQL, BeautifulSoup, Requests

Development Tools and Environments: Linux, Git, GitHub

Projects

Portfolio Display Template | *Next.js, TypeScript, Tailwind CSS, Framer Motion*

Nov. 2024

- Developed a reusable and scalable portfolio template using **Next.js 13** with **TypeScript** and **Tailwind CSS**, achieving a **Lighthouse score of 95+** and an average load time of **<100ms**, ensuring seamless performance across all devices and reducing bounce rates.
- Integrated secure **API email** functionality using **React.Email** and the third-party service Resend, implementing robust form validation to ensure reliable email delivery and seamless communication.
- Designed and implemented a modern, responsive UI with light/dark mode support and advanced animations using **Framer Motion**, enhancing user engagement and accessibility across mobile, tablet, and desktop platforms.

Online Flower Shop | *React.js, Vite, HTML, CSS, JS*

Nov. 2024

- Engineered a responsive Single Page Application (SPA) for an online flower shop using **React.js** and **Vite**, reducing build and development time by **30%** through code splitting. Enhanced performance and scalability with modular component design, dynamic imports for code splitting, and lazy loading, ensuring efficient resource utilization and maintainability.
- Implemented accessibility standards, including **ARIA roles**, semantic HTML, and keyboard navigation, while utilizing CSS grid and flex to create a responsive layout, ensuring inclusivity for users with disabilities and enhancing user experience across mobile, tablet, and desktop platforms.

Restaurant Management System Development | *Django, Python*

Aug. 2024

- Developed a full-stack **Restaurant Management System** using Django and Python, featuring **real-time table reservations**, **meal ordering**, and an **integrated blog platform**, enhancing customer experience and operational efficiency.
- Designed a scalable backend architecture with advanced data models and database relationships, leveraging Django's powerful ORM and URL routing for efficient data handling and maintainability;
- Optimized database management using **SQLite** in development and ensured seamless adaptability to PostgreSQL for production, demonstrating proficiency in scalable, production-ready solutions.

Leadership & Extracurricular

Chinese Students and Scholars Association(CSSA)

Aug 2020 – Sep 2022

Minister

Baylor University

- Arranged 100+ airport pickup services and authored informative guides on official channels to facilitate the acclimatization of international students, covering essentials from driver's licenses to banking.
- Managed logistics for 2 major events, overseeing venue arrangements to ensure successful and engaging student receptions and celebrations.