

YIAN GE

Boston, MA

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Education

Northeastern University

Sep. 2024 – Expected May 2026

Master of Science Software Engineering Systems | **GPA: 4.0/4.0**

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

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, Postman

Development Tools and Environments: Linux, Git, GitHub

Experience

BeTogether Hub

Dec. 2024 – Present

Website Developer Intern

Remote

- Translated Figma designs into a fully functional WordPress website, improving accessibility and responsiveness across devices, while optimizing performance through style adjustments, image compression, and site configuration, resulting in a 30% reduction in page load time.
- Developed and managed blog and podcast pages with category management, implemented custom themes and plugins to enhance functionality, and aligned design with the nonprofit's mission to combat loneliness through mental health services.
- Created comprehensive documentation to guide administrators in effectively managing and maintaining the platform, ensuring long-term usability and consistency.

Projects

AgendaPro Desktop Application | *JavaFX, Scene Builder, MVC Architecture*

Demo | Dec. 2024

- Developed a **JavaFX** productivity desktop application with **5+ modular components**, including dynamic calendars, task management, and focus tools, leveraging **MVC architecture** for scalable and maintainable design.
- Integrated a weather API to display real-time location-based updates and designed interactive, event-driven interfaces to handle **100+ simulated tasks and events** efficiently.
- Designed intuitive UI/UX with Scene Builder, incorporating **dynamic weekly/monthly views, focus tools (Pomodoro and meditation)**, and achievement tracking to enhance user productivity and engagement.

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

Demo | Nov. 2024

- Developed a reusable and scalable portfolio template using **Next.js** 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.

Restaurant Management System Development | *Django, Python*

Demo | 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 URL routing for efficient data handling and maintainability;
- Optimized database management using **SQLite** in development and ensured seamless adaptability to the database 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.