

Xingcheng Huang

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EDUCATION

Queens College | Queens, NY

Sep 2020 -Jun 2024

B.A Computer Science, GPA: 3.3/4.0

Relevant coursework: Data Structures, Algorithms, Object-Oriented Programming (C++/Java), Database Systems, Internet & Web Technologies.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Java, HTML, CSS.
- **Front-End:** React (v19), Redux Toolkit, Vite, Bootstrap, Tailwind CSS, DaisyUI, Zustand.
- **Back-End:** Node.js, Express.js, MongoDB, Firebase (Auth, Firestore), JWT, Jest.
- **Cloud & DevOps:** AWS (S3, CloudFront, Route 53, RDS), GitHub Actions (CI/CD).
- **Tools & Platforms:** Git/Github, Visual Studio Code, IntelliJ IDEA, Eclipse.
- **Other:** Rest APIs, Real-time WebSockets (Socket.IO), S3 File Uploads, Protected Routes, Responsive Design.
- **Languages Spoken:** English, Mandarin

PROJECTS

Real-Time Chat - Full-Stack Messaging Platform (Aug 2025)

[GitHub](#)

Built a real-time **messaging application** with user authentication, online presence tracking, and persistent chat history.

- **Implemented protected routes, login/sign-up, and user profile management using MongoDB and JWT authentication.**
- Integrated **Socket.IO** for instant bi-directional communication and message delivery between users.
- Managed application state with **Zustand** for lightweight, performant client-side data handling.
- Designed a responsive, modern UI with **Tailwind CSS** and **DaisyUI** for consistent theming.
- Deployed frontend and backend via **Render** with environment-based configuration.
- Followed CI/CD best practices using **Vite** for optimized builds and hot reloading during development.
- **Technologies:** React 19, TypeScript, Vite, Zustand, Tailwind CSS, DaisyUI, MongoDB, Node.js, Express, Socket.IO.

Spotify Clone - Full-Stack Music Streaming App (Jun 2025)

[GitHub](#)

Built a full-featured **Spotify-like web application** with **audio streaming**, **user authentication**, and **admin management**.

- **Implemented** protected routes, **login/sign-up**, and **user profile management** with **MongoDB** and **JWT**.
- **Integrated AWS S3** to **store and serve** audio files, album covers, and avatars.
- **Developed an admin-only interface** to upload songs and albums directly to **S3**.
- **Managed global state** using **Redux Toolkit** for users, songs, and playlists.
- Designed a **responsive UI** with **Bootstrap** and supporting libraries.
- Followed **CI/CD practices** with **GitHub Actions** and **Vite** for continuous deployment.
- **Technologies:** React, TypeScript, Vite, Redux Toolkit, MongoDB, AWS S3, Bootstrap, Node.js, Express.

Inline Scheduler - CUNY Tech Prep (May 2023)

[GitHub](#) | [View Project](#)

- **Developed and designed** the landing and navigation pages for a scheduling web app.
- **Implemented** user authentication, event creation, and “Add Friends” feature.
- **Integrated Firebase** for **real-time notifications**.
- **Technologies:** React, Bootstrap, Tailwind CSS, Firebase.

Meals (Jan 2023)

[GitHub](#) | [View Project](#)

- Built a **responsive food ordering web page** with a **cart** and **item browsing functionality**.
- Used React hooks such as **useState**, **useContext**, and **useRef** for state management.
- **Technologies:** React

RELEVANT EXPERIENCE

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CUNY Tech Prep Fellow - Web Development Program | NY, US

Jul 2022 – Jun 2023

- Selected for a competitive web development fellowship with students across 11 CUNY senior colleges.
- Developed full-stack applications using React, Node.js, Express, and PostgreSQL.
- Gained experience with industry best practices, including Agile, Git version control, test-driven development, and CI/CD.

Research Foundation of CUNY - Software Engineer Intern | NY, US

Jul 2022 – Aug 2022

- Partnered with Crown Doctors and Digital Factory Inc. to develop a cloud-based database using AWS.
- Maintained and deployed web applications using AWS services such as S3, CloudFront, Route 53, and RDS.
- Collaborated with internal teams using Slack and weekly stand-up meetings to discuss UX/UI improvements.