

Jeffrey Chen

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Education

New York University

Bachelor's in Computer Science

Sept 2020 - May 2024

Relevant Coursework: Discrete Math, Linear Algebra, Basic Algorithms, Data Structures, Theory of Computation, Computer System Organization, Operating Systems, Data Management Analysis, Software Engineering, Agile Development & DevOps, Applied Internet Technology.

Experience

Software Engineer

Manhattan, NY

Pupil

October 2023 - June 2025

- Improved perceived load time by 25% using preloaders and state-based rendering for smooth startup.
- Replaced deprecated carousel library, cutting initialization time by 45% and improving page responsiveness.
- Reduced carousel bundle by ~400KB, improving load time and Lighthouse performance metrics.
- Reduced image load delays by 20% and increased carousel engagement by 15% via preloading and autoplay.

IT Student Worker

Manhattan, NY

NYU Faculty of Arts & Science

February 2022 - May 2024

- Set up 200+ computers with required software for educational use to aid in professors' teaching.
- Assisted 200+ staff by troubleshooting technical issues with devices and printers.
- Managed and updated 500+ network devices with security features and software.

Projects

Personal Website | *Vue.js, HTML, CSS, Typescript, Tailwind, Git*

2025

- Developed a responsive personal website featuring custom theming, animated effects, and project showcases with 300+ unique daily impressions.
- Configured a custom domain with automated CI/CD using GitHub Actions, deployed via Cloudflare, and integrated SMTP server for reliable email forwarding.

matchaluv | *Flutter, Dart, Firebase*

2025

- Built a cross-platform social media app with Flutter and Firebase, featuring user authentication, image uploads, and real-time feeds.
- Created responsive wireframes and UI prototypes in [Figma](#) to guide app layout, navigation, and user interaction design.
- Implemented secure backend integration using Firebase Authentication, Cloud Firestore, and Storage.
- Developed custom form validation and async username checks to enhance user onboarding.
- Managed global state with Provider and reactive user data updates.

DinnerDate | *MongoDB, Express.js, React.js, Node.js, JWT, Bcrypt*

2023

- Developed a MERN app following scrum that facilitated user connections for dining and real-time messaging.
- Integrated Google Maps API for users to find and create restaurant dates, enhancing user experience.
- Built a secure authentication system with JWT and Bcrypt, enabling stateless login sessions and managing access for 30+ users.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, HTML, CSS, C, Kotlin, SQL, Cypher, JSON, SCSS, Dart, LaTeX

Technologies: Vue, Svelte, React, React Native, Flutter, Tailwind CSS, Node.js, Express, pandas, matplotlib, MongoDB, PostgreSQL, Neo4j, Git, GitHub Pages, Jupyter, Visual Studio Code, Android Studio, Figma, Docker, Kubernetes