Jeffrey Chen

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Education

New York University *Sept 2020 - May 2024*
Bachelor's in Computer Science

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*

- Worked with founding engineers and interns to create a web and mobile app to connect mentors and mentees.
- Implemented frontend features such as an image carousel, image preloading, and a loading screen.
- Integrated a headless CMS to revamp the newsroom for app updates with dynamic content management.
- Participated in weekly team meetings to collaborate, discuss new tasks, and report on progress.
- Tools Used: TypeScript, Svelte, Git, pnpm, Strapi

IT Student Worker *Manhattan, NY*
NYU Facility 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.
- 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 stack application facilitating user connections for dining and real-time messaging.
- Integrated Google Maps API for users to find and create restaurant dates, enhancing user experience.
- Implemented user authentication using JWT and Bcrypt, and collaborated in a team of five following Scrum agile methodologies.

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