

Han Chen

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[Portfolio](#)

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SKILLS JavaScript · React · Angular · Python · TypeScript · Ruby on Rails · Redux · Express · Node · MongoDB · SQL PostgreSQL · REST API · AWS · Azure DevOps · Synapse · CI/CD · Tailwind · CSS · NoSQL · Git · Web-Responsive Design

EXPERIENCE

Stellar Services

New York, NY

Software Engineer

Feb 2023 – Present

- Led front-end development of project management information system for Port Authority of New York, utilizing **Angular**, **Typescript**, **Media Queries**, and **Flexbox CSS** to deliver tailored components and a **web-responsive** interface, deploying and maintaining the application through **Azure DevOps CI/CD** pipelines, ensuring a robust and intuitive user experience.
- Spearheaded front-end development for Ventura County Justice Department's database integration platform, utilizing React and JavaScript to create **reusable components**, enabling **authentication**, and managed **error handling**. Minimizing API calls to the .Net Azure Data Lake backend and creating an **efficient search algorithm** for a 82% reduction in loading time (11s to 1.8s)
- Developed a **full-stack** job application tracking system using **React**, **TypeScript**, **Gulp**, **Sharepoint APIs**, **Fluent UI**, and **Tailwind CSS**, implementing full **CRUD** functionalities for multiple **MVPs** including Applicants, Interviews, Ratings, and Tests, resulting in 50%+ reduction in application turnaround times (8 weeks to ~3 weeks) and providing a streamlined user experience.

DBC Education and Tech Co.

Remote

Instructor

Aug 2021 – Aug 2022

- Developed and delivered a comprehensive **data analytics** curriculum for college and graduate students, covering **Python**, **SQL**, **Pandas**, **NumPy**, **Data Visualization**, object-oriented programming (**OOP**), and various computer science (CS) concepts.

PROJECTS

Cozybnb | React · Redux · Rails · PostgreSQL · Google Map API · AWS S3 – *web-responsive*

[Live Site](#) | [GitHub](#)

Pixel-perfect clone of Airbnb where users can view and manage listings, book reservations, and leave reviews.

- Engineered complete **CRUD** (Create, Read, Update, Delete) API functionalities for listings, reviews, and reservations **MVPs**, ensuring a seamless and intuitive user experience.
- Implemented interactive features, such as location search, reservations calendar, star rating review system, photo uploads, and user authentication, leveraging **AWS S3** image hosting and integrating **Google Maps**, **Places**, and **Geocoding APIs** for an engaging user experience.
- Built a **web-responsive design** utilizing Media Queries and Flexbox CSS styling, ensuring seamless functionality and enhanced user experience across a wide range of devices, including desktops, tablets, and mobile phones.

Aviquest | MongoDB · Express · React · Node (MERN stack) – *desktop application*

[Live Site](#) | [GitHub](#)

Gamified task manager application that helps users stick to their goals and build good habits.

- Designed and implemented interactive features for task tracking, equipment and inventory management, and shop system using **useState**, **useEffect**, and **useRef React hooks** to create asynchronous components for an engaging user experience.
- Led a team of three software engineers by conducting daily stand-up meetings, implementing **Agile workflows** and utilizing **Git branches and protection** to prevent merge-conflicts.

Budgit | JavaScript · Chart.js · HTML · CSS · Local Storage – *web-responsive*

[Live Site](#) | [GitHub](#)

Single-paged expense/income tracking application that helps users visualize their finance.

- Developed synchronized **Chart.js** components to deliver comprehensive visualizations of user earnings and expenditures. Enabled one-click generation of visualizations through **DOM manipulation** methods, enhancing the user experience.
- Created a **JSON** data structure within **Local Storage** to ensure a lightweight and responsive user experience, maintaining consistent read and write times.

EDUCATION

App Academy

New York, NY

In-person Curriculum of Study in Full stack Web Development – (Ruby on Rails, JavaScript)

2022

New York University - Tandon School of Engineering

New York, NY

Bachelor of Applied Science in Business & Technology Management (STEM) – (Python, SQL)