

Ricky Zhang

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EDUCATION

New York University

New York, NY

B.S. in Computer Science – GPA: 3.8

Expected Jun 2025

- Courses: Data Structures, Object Oriented Programming, Operating Systems, Computer Architecture, Applied Internet Technology, Data Analysis, Linear Algebra, Calculus II, Discrete Mathematics

EXPERIENCE

Con Edison

New York, NY

Computer Aide Intern

Jun 2023 – Present

- Executed SQL queries on Oracle Database to extract relevant customer data, resulting in a **20% reduction in appointment scheduling time**
- Contributed to the development of a Sharepoint website for the Underground & Cable department to streamline shift summary submissions, enhancing data organization and **reducing information retrieval time by 35%**

New York University

New York, NY

TRIO Scholars Tutor

Sept 2022 – Jun 2023

- Provided one-to-one tutoring to up to **5 undergraduate students per week** in computer science, specializing in Python programming and data structures
- Remotely monitored and evaluated academic performance with a **92% passing** rate for students

PROJECTS

Retiform | *Next.js, React, MongoDB, Mongoose, Bootstrap*

- Developed a full-stack social media application leveraging Next.js 13 for both frontend and backend
- Integrated credentials signup/login, Google OAuth login, and visitor account support via NextAuth.js
- Utilized Next.js server actions and React server components (RSC) for improved SEO and overall app performance

NBA CourtSide | *Next.js, React, Typescript, ChakraUI*

- Developed a responsive web application featuring a clean, minimal interface using ChakraUI for real-time NBA statistics and box scores
- Utilized useSWR, custom hooks, and serverless Next.js API routes for efficient data fetching and automatic revalidation to ensure up-to-date accuracy of stats

HoopsIQ | *Typescript, React, Vite*

- Designed a single-page application NBA trivia game using Vite, React, and Typescript
- Utilized React optimization hooks and responsive UI design principles for improved user experience

ADDITIONAL EXPERIENCE

CompSciLib

Remote

Technical Beta Tester

Aug 2023 – Present

- Collaborated with development team to **identify 5 bugs** and expanding the curriculum with **2 new features**
- Provided concise reports on test findings and metrics to developers, **expediting update releases by 50%**

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Python, C++, C, SQL, x86, HTML/CSS

Technologies: React, Next.js, Node.js, Express, Flask, MySQL, Oracle SQL, Prisma, Sequelize, MongoDB, Mongoose, shadcn, ChakraUI, TailwindCSS, Bootstrap

Developer Tools: Git, Visual Studio Code, Postman, PyCharm, CLion, WebStorm