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, Web Development, 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 and JWT
- Utilized Next.js server actions and React server components (RSC) for improved SEO and overall app performance

Jobs Scraper | *Beautiful Soup, Selenium, Pandas*
- Designed a Python-based web scraper with Beautiful Soup and Selenium to automate job data extraction from job posting websites such as Indeed and ZipRecruiter, increasing job search efficiency by 60%
- Utilized Pandas to process, organize, and export data to Microsoft Excel for user-friendly analysis
- Integrated a customizable user-input functionality, allowing users to tailor data extraction to their search criteria

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

Covered | *Next.js, React, Typescript, TailwindCSS*
- Developed a Next.js-based application that utilizes OpenAI's GPT-3 for generating custom cover letters, boosting job search productivity by automating 90% of the writing process
- Designed a responsive UI with Tailwind CSS and shadcn components, ensuring optimal user experience across various devices and screen sizes for increased accessibility

ADDITIONAL EXPERIENCE

CompSciLib Remote
Technical Beta Tester *Aug 2023 – December 2023*
- Collaborated with development team to **identify 8 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, React Query, useSWR, AWS EC2, Selenium, shadcn, ChakraUI, TailwindCSS, Bootstrap
Developer Tools: Git, Docker, Visual Studio Code, Postman, PyCharm, CLion, WebStorm