

RICKY ZHANG

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EDUCATION

New York University

Sept 2021 – Jun 2025

Bachelor of Science in Computer Science

Brooklyn, NY

- **GPA:** 3.8 / 4.00
- **Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming, Web Development, Computer Architecture, Operating Systems, Design & Analysis of Algorithms, Computer Networking, Computer Security, Parallel Computing

EXPERIENCE

Computer Aide Intern @ Con Edison

July 2023 – Present

SQL, SharePoint, Oracle SQL Developer

Brooklyn, NY

- 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%**

Computer Science Tutor @ New York University

Sept 2022 – Jun 2023

Python

Brooklyn, NY

- 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

Technical Beta Tester @ CompSciLib

Aug 2023 – Dec 2023

Notion

Remote

- Reported **6** critical bugs on the website, leading to a **30%** decrease in user-reported issues
- Provided integrated feedback for the discrete math cheat sheet page featuring over **50** supplementary materials

PROJECTS

Politigram | *Next.js, JavaScript, Mongoose, Tailwind, BERT, Google Cloud Vision*

Politigram

- Built a full stack social media web app with a slider to filter content based on political spectrum
- Trained the machine learning model PoliBERT to evaluate text and images using the Google Cloud Vision API, reaching a peak accuracy of **64%** in less than 24 hours
- Used Next.js server actions and React server components (RSC) for improved SEO and overall app performance

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

NBA CourtSide

- 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, Typescript, Tailwind, OpenAI*

Covered

- Developed a web 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

SKILLS AND INTERESTS

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

Technologies: React, Next.js, Node.js, Express, Flask, MySQL, Oracle SQL, Prisma, Sequelize, SQLAlchemy, MongoDB, Mongoose, React Query, useSWR, AWS EC2, AWS DynamoDB, Tailwind, Bootstrap, Git, Docker

Interests: Weekly movie-goer, TV series enthusiast, weightlifting, lifelong New York Knicks and Brooklyn Nets fan

Extracurriculars: DevFest '24 @ Columbia