

# 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

### Guessify | *Next.js, Typescript, MySQL, Prisma, Tailwind, Spotify Web API*

[Guessify](#)

- Developed a music trivia web app, integrating Spotify's Web API for playlist and song playback
- Leveraged Next.js server actions and Prisma ODM for secure database operations, enabling robust database management with a PlanetScale MySQL cloud database

## SKILLS AND INTERESTS

**Languages:** JavaScript, TypeScript, Python, C++, C, SQL, x86 Assembly, 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