

David Zhang

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EDUCATION

New York University

Master of Science in Computer Science

(Starting Fall 2025)

New York University

B.S. Computer Science

(Sep 2021 - December 2024)

- **GPA:** 3.72
- **Minor:** CyberSecurity, Mathematics
- **Awards:** Nick Russo Award
- **Clubs:** Rogue Aerospace, OSIRIS CyberSecurity, DTCC-Supply Chain Research

WORK EXPERIENCE

Startup Founder

(March 2024 - Present)

Recall-IQ ~ <https://ai-flashcard-theta.vercel.app/>

- Developed SaaS platform to streamline payments, file uploads, machine learning, and account management
- Improved customer retention by 16% through automated email notifications for engagement and satisfaction.
- Achieved 100% success rates in payment processing and improved performance by 23%, earning a 96% Lighthouse score via automated testing.

Cybersecurity Analyst Intern

(Sep 2023 - December 2023)

DTCC Supply Chain Research

- Conducted in-depth research and analysis on Software Bill of Materials (SBOMs), to enhance organizational understanding of software supply chain security.
- Extensively evaluated and compared 4 different SBOM, including their techniques, usability, customer support

Embedded Systems Engineer Intern

(Sep 2021 - Jan 2023)

Rogue Aerospace

- Spearheaded implementation for displacement tracker on NASA Competition Rocket, for 91% payload retrieval rate
- Collaborated with cross functional teams (16+ members), to help deliver project 2 weeks ahead of schedule
- Participated in shadow program alongside experienced engineers to observe decision making and problem solving

PROJECTS

BlueIt (Social Media Site) ~ <https://reddit-clone-topaz-beta.vercel.app>

- Built a scalable full-stack application replicating Reddit's core functionality to improve user interaction and engagement.
- Deployed over 100 unique pages and routes to provide a comprehensive user experience
- Enhanced performance by 30% through database indexing and optimized page rendering with multithreading.
- Spearheaded efforts on UI adjustments based on beta tester feedback from 100+ participants;

TikV Self-Assessment (Cybersecurity Review)

- Led a team of 4 in analyzing 30+ pages of documentation to thoroughly understand and document its architecture.
- Identified and documented 4 critical security vulnerabilities related to deployment, providing actionable recommendations to mitigate risks and enhance system security.

OTHER

Certificates

- AWS Certified Database-Specialty (July 2023 - July 2026)

Technical Skills

- React, Typescript, Python, Next.js, Tailwind, Node, Express, MongoDB, HTML, MySQL, SQL, Git, AWS, S3, SEO, Accessibility, Frontend, Backend, Problem-Solving, Communication Skills, Data Structures,