

# David Zhang

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## WORK EXPERIENCE

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### **Rogue Aerospace** (Sep 2021- January 2023)

#### *EE/CS Engineer*

- Technologies: Python, Raspberry Pi, Kalman Filters, 6 DOF Sensor
- Spearheaded design of onboard electronics and programming for NASA Competition Rocket
- Collaborated with cross-functional teams to ensure integration of hardware/software components

## PROJECTS

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### **&Commerce (eCommerce Site)**

- Technologies: NextJS, React, Prisma, Zod, Typescript, Tailwind, Next-Auth, Stripe, Resend, Postgresql
- Designed and implemented a relational database using Prisma and PostgreSQL
- Ensured type safety and minimized runtime errors via integrating Zod and TypeScript
- Implemented secure user authentication and payment processing with Next-Auth and Stripe
- Automated email notifications for product creation and successful payment transactions

### **MagicPrompts (AI Prompt Sharing):**

- Technologies: NextJS, React, MongoDB, Next-Auth, Tailwind CSS
- Developed a dynamic, live-service AI prompt application.
- Enabled users to create, edit, delete, and share AI prompts.
- Implemented advanced filtering options for searching based on keywords or categories.
- Utilized Tailwind CSS for responsive and visually appealing UI design.

### **Unsplash/OfficeVibe Replica:**

- Technologies: NextJs, React, Tailwind CSS, Framer-Motion
- Designed and developed a mobile-responsive front-end interface replicating the Unsplash and OfficeVibe platform.
- Implemented custom components and animations to enhance user interaction and experience.
- Leveraged Tailwind CSS for rapid and consistent styling of components.

## EDUCATIONS:

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### **New York University**

#### *B.S. Computer Science (Expected Dec 2024)*

- 3.71 GPA, Nick Russo Award
- Running Club, Judo Club, OSIRIS CyberSecurity, DTCC

## PROFESSIONAL CERTIFICATES AND TECH SKILLS

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- AWS Certified Database-Specialty (July 2023 - July 2026)
- Skills: Python, Java, React, Express, Redux, Node.js, HTML, CSS, Git, Framer, Webflow, Git