David Zhang

davidzhang3210@gmail.com | 203-917-9849 | Guilford, CT | | www.techdavidzhang1.com

WORK EXPERIENCE

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
- Reduced payload data acquisition time by 60% through optimization of sensor algorithms and data processing pipelines.
- Collaborated with cross-functional teams to ensure integration of hardware/software components

PROJECTS

&Commerce (eCommerce Site)
- *Technologies*: NextJS, React, Prisma, Zod, Typescript, Tailwind, Next-Auth, Stripe, Resend
- 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.

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.

EDUCATION:

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

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