Zack Yuan

Full–Stack Web Developer / UX / UI Designer

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SUMMARY

Versatile Full–Stack Web Developer with strong proficiency in various languages and frameworks, dedicated to building user–friendly and visually appealing web and mobile applications.

EDUCATION

Diploma in Computer Science and Full–Stack Web Development   Expected: December / 2025
Atlas School - Tulsa, Oklahoma

A 20–month, peer–driven, project–based Software Engineering program, building skills from foundational C programming to comprehensive Full–Stack Web Development.

PROJECTS

Aeroduel (Capstone Project)   November - December / 2025
Role: React Native Developer   https://aeroduel.com/

Learning Objectives:
- Learn to integrate Software Engineering and embedded systems with RC aircraft models to create an advanced aerial combat simulation.
- Rapidly architect and deploy an appealing React/React Native user interface integrated with low–latency WebSocket–based backend server logic.
- Manage hardware control by implementing code to drive the LED detection lights and interface with the camera module for computer vision.

Lumigram (Instagram Clone)   October / 2025
Role: Full–Stack Developer   https://github.com/zack6yuan/atlas-lumigram

Learning Objectives:
- Gain proficiency in architecting and styling a complex, high–fidelity mobile user interface.
- Understand and implement the OAuth 2.0 authorization flow to securely manage user registration, login, and access tokens, integrating with Google Firebase.
- Develop and integrate services to handle persistent data (e.g., posts, comments, likes) and media uploads (photos/videos), utilizing Google Cloud Firestore.

SKILLS
- **Languages:** JavaScript, TypeScript, Python3, HTML5, CSS3.
- **Frameworks & Libraries:** React.js, React Native, Next.js, Express.js, Flask, Bootstrap, TailwindCSS
- **Databases:** MySQL, MongoDB, Google Firestore.
- **Tools, Platforms, & Runtime:** Node.js, Vite, Expo, VSCode, Figma, YAML, OAuth
- **DevOps:** Docker, GitHub, Google Firebase

HONORS & AWARDS
- **First Honor Roll:** Recognized for academic excellence in 8 courses, including Advanced Backend Programming, Foundations of User Interfaces, and Intermediate Web Stack Design.
- **Second Honor Roll:** Recognized for academic excellence in 3 courses, including Advanced Web Development, Advanced Website User Interfaces, and Foundations of Web Styling.

OTHER EXPERIENCE
Head Cashier / Sales Associate   March/2024 - Present
Lowe's Home Improvement   Tulsa, Oklahoma