

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
Atlas School - Tulsa, Oklahoma

Expected: December / 2025

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)
Role: React Native Developer

November - December / 2025
<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)
Role: Full-Stack Developer

October / 2025
<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
Lowe's Home Improvement

March/2024 - Present
Tulsa, Oklahoma