Jason Ouyang

Jasonouyang23@gmail.com • (917) 283-0832 • https://github.com/jasouyang

OBJECTIVE

To contribute meaningfully by applying strong computer science and mathematics knowledge, leveraging problem-solving skills, and collaborating effectively to drive innovation and efficiency in software development.

EDUCATION

University of Georgia, School of Computing   Athens, GA
Bachelor of Science, Computer Science   May 2025
Minor, Mathematics
Zell Miller Scholarship

TECHNICAL SKILLS

Programming Languages: Java, HTML, CSS, Unix, JavaScript, MongoDB, SQL, C, GitHub, Swift, WordPress

RELEVANT EXPERIENCE

Delta Air Lines – Tire Tread Depth Measurement System   Atlanta, GA
Capstone Project   August 2024 - Present
- Engineered an enhanced tire tread depth measurement system for Delta Air Lines, enabling predictive maintenance across aircraft and minimizing delays due to tire wear issues.
- Built a Swift-based iPad app to measure tire tread depth within 1/32", replacing manual tracking and ensuring precise, real-time data capture for on-site aircraft inspections.
- Improved prior laser/iPad system by incorporating technician feedback to streamline the UI and automate tread data tracking, reducing manual errors and technician workload.

Athens Orthopedic Clinic Twilight   Athens, GA
Capstone Project- Developer   January 2025 - Present
- Led the redesign and relaunch of AthensTwilight.live, creating a mobile-friendly site with updated branding, livestreaming, and email capture—boosting attendee engagement and digital presence.
- Orchestrated a UGA-centered marketing campaign with campus promotions, surveys, and custom materials, increasing student awareness and driving higher event turnout.

PROJECT EXPERIENCE

PYQ – Social Media Platform, *Web Programming*   March 2023 - May 2023
- Designed and developed a full-stack social media platform enabling user profiles, media sharing, and interactive features such as comments and likes using MongoDB and JavaScript.
- Built responsive login, signup, and home interfaces, integrating seamless navigation and post deletion capabilities using HTML, CSS, and JavaScript.
- Implemented MongoDB authentication to securely store and validate user credentials, ensuring data uniqueness and integrity across the platform.

Buzzify – Music Streaming Platform, *Database Management*   March 2024 - May 2024
- Developed dynamic login and signup pages with real-time form validation, error handling, and interactive styling using CSS3 and JavaScript to optimize user onboarding.
- Engineered a personalized homepage that dynamically recommends music based on listening history and preferences, leveraging React state management for real-time updates.
- Designed and built a user profile module for tracking listening history, editing favorite genres, and managing content preferences within a personalized streaming experience.