

Jason Troup

Orange, CA | 714-206-0884 | jasontroupdev@gmail.com | github.com/JasonTroup-dev | ADHDStudyAI.com

SUMMARY

Software engineering student at Arizona State University focused on full-stack web development. Built and deployed **ADHD Study AI**, a full-stack study platform created from personal experience with ADHD to help students turn overwhelming course materials into clear study plans, guided sessions, and actionable next steps. Seeking junior full-stack, frontend, backend, internship, or apprenticeship opportunities.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, HTML, CSS

Frontend: React, Next.js, Tailwind CSS, Responsive UI

Backend: Next.js API Routes, Supabase, PostgreSQL, Authentication, Row Level Security

AI / APIs: OpenAI API, AI-powered workflows, structured AI outputs, file-aware tutoring flows

Tools: Git, GitHub, Vercel, npm, VS Code

PROJECTS

ADHD Study AI - Full-Stack AI Study Platform | *Next.js, React, TypeScript, Supabase, PostgreSQL, OpenAI API, Tailwind CSS, Vercel*

Live Site: ADHDStudyAI.com | **GitHub:** github.com/JasonTroup-dev/ADHD-Study-AI

- Built and deployed a full-stack study platform that helps students with ADHD turn overwhelming coursework into clear study plans, guided sessions, and next steps.
- Designed a workflow where users upload syllabi, assignments, and study materials, then receive structured study support based on their actual course context.
- Implemented authentication, class management, planner functionality, syllabus import, assignment uploads, study material uploads, AI tutor support, study guide generation, and guided study sessions.
- Built AI-powered tutoring flows that enter a study session with relevant assignment and material context already available, reducing repeated setup for users.
- Used Supabase for authentication, database storage, user-scoped records, and Row Level Security to protect user data.
- Created API routes connecting uploaded course materials with OpenAI-powered planning, study guide generation, and contextual tutoring.
- Deployed the production app on Vercel and added scheduling tests for planner logic, with plans to expand test coverage across core workflows.

EDUCATION

Ira A. Fulton Schools of Engineering, Arizona State University | *Bachelor of Science in Software Engineering*

Expected Graduation: Late 2027

Selected Coursework: Principles of Programming; Object-Oriented Programming & Data; Intro to Programming Languages; Software Enterprise; Software Construction; Software Systems; Database Management; Operating Systems & Systems Programming; Computer Systems Fundamentals; Computer Organization/Assembly; Calculus I-II

EXPERIENCE

Executive Assistant - Mr. D's Transportation | *Orange County, CA | 2016 - 2024*

- Monitored up to 100 shipments per week for a transportation consulting business, tracking high-value product loads and time-sensitive delivery schedules.
- Used Excel to track shipment statuses, identify delayed deliveries, and document issues that required follow-up.
- Coordinated around changing delivery dates, locations, and shipment details in a fast-moving logistics environment.
- Identified delayed shipments early so the team could respond before problems escalated.
- Helped maintain communication during high-pressure situations where delays, financial stakes, and conflicting responsibilities created tension between parties.