

Steven Mai

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EDUCATION

Georgia Institute of Technology | *B.S. Computer Engineering* Expected: December 2027

- Relevant Coursework: Database Systems, Data Structures and Algorithms, Software Engineering Principles, Programming HW/SW Systems, Circuit Analysis, Differential Equations

SKILLS

Languages: Javascript, Typescript, Python, Java, C, C++, SQL, HTML/CSS, RISC-V

Tools/Databases: MySQL, MongoDB, PostgreSQL, Firebase, Supabase, AWS S3, Vercel, Docker, Git, CI/CD

Libraries/Frameworks: React, Node.js, Express, Flask, FastAPI, TailwindCSS, JUnit, REST APIs

EXPERIENCE

Technical Project Manager | *GT Web Dev* Jan 2026 – Present

- Led a 9-engineer team using pod-based sprints and CI/CD automation to launch a campus event platform, driving 60% weekly engagement across 150+ beta users
- Architected a Next.js/Django platform with JWT auth and 10+ REST endpoints, supporting 300+ live events
- Integrated PostgreSQL for robust data modeling to reduce API response times by 40%, ensuring platform stability

Data Science Research Assistant | *GT VIP Program* Jan 2026 – Present

- Built Python scripts to automate pre-processing and labeling of 40+ hours of human and AI voice data
- Developed pipelines to extract pitch, cadence, and spectral data for large-scale emotional tonality analysis
- Implemented statistical workflows to quantify recognition accuracy between human and AI-generated voices

Software Development Research Assistant | *Clayton State University* Jan 2024 - May 2024

- Designed and implemented a photon-based hardware random number generator to communicate with optical hardware, enabling automated data acquisition and statistical entropy validation
- Built a Python-based data processing pipeline to analyze 1,000+ photon samples, improving validation accuracy by 25% and reducing runtime by 15% through optimized data structures and batch processing
- Awarded **1st place** at the Clayton State University **2024 CIMS Symposium**

PROJECTS

Plot Armor | *React, Typescript, TailwindCSS, Firebase, Groq LLM*

- Developed a Chrome extension with 100+ active users that censors spoilers on webpages using hybrid AI detection, achieving 92% spoiler detection accuracy through optimized NLP keyword matching and ML APIs
- Constructed popup interface processing 500+ daily interactions with real-time stats, user controls, and confidence thresholds improving user satisfaction by 40%
- Designed Firebase/Firestore backend managing 50,000+ records, and rate limiting maintaining 99.5% uptime

SpendWise | *Java, Android, Firebase, MVVM*

- Built a full-stack mobile application using Java and Android SDK with Firebase backend integration, feature budget management, expense tracking, social savings circles with real-time chat, and an AI-powered financial Chatbot
- Implemented Firebase Authentication supporting 250+ registered users with session management. Integrated Firestore for real-time data, achieving 99.8% sync reliability and reducing data fetch latency by 40%
- Engineered using MVVM, implementing a Singleton Pattern for centralized Firebase and database managers to ensure consistent data access and reduce memory leaks by 25%.

HarmonyAPI | *Python, Flask, React, Typescript, Groq LLM, PostgreSQL, Docker*

- Developed an AI-powered medical search platform processing 1,000+ queries during HackGT, enabling healthcare providers to retrieve results with 95% query accuracy and generate summaries 60% faster than manual research
- Integrated Groq LLM API to perform semantic search across healthcare datasets, reducing average response time to under 2 seconds and handling 50+ concurrent users while maintaining 99% uptime during the competition
- Delivered a full-stack solution in under 36 hours using TypeScript/React and Dockerized Flask/PostgreSQL, enabling 40% faster deployment and 5,000+ transactions

CERTIFICATIONS & ACCOMPLISHMENTS

TheOdinProject: Foundations, Full-Stack Javascript, React

CodePath: Technical Interview Prep 101