Joshua Hsieh

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EDUCATION

San Jose State University   San Jose, CA
B.S in Software Engineering, Minor in Business   *Aug. 2023 – May 2027*
- **Relevant Coursework:** Data Structures & Algorithms, Statistical Modeling, Computer Architecture, Linear Algebra, Discrete Math, Machine Learning, Intro to Data Analysis

EXPERIENCE

Delta Dental   June. 2025 - Aug. 2025
Salesforce Developer Intern   *Oakland, CA*
- Designed and implemented recursive Apex logic in a custom LWC to model case hierarchies, optimizing traversal performance for large datasets.
- Proposed and built GenAI email assistant using OpenAI + LWC for automated decision support saving sales reps 5+ minutes per case; conducted architecture and risk analysis.

SJSU College of Engineering Intern   Jan. 2025 - Jun. 2025
"Reverse Rate my Professor"   *San Jose, CA*
- Collected and processed 10K+ course records and 1K+ professor reviews with Bun + Postgres; normalized and indexed data for high-performance queries.
- Applied statistical ranking and full-text search (tsvector) to support sub-50ms lookups for ranked results.

Theta Tau Professional Engineering Fraternity   Nov. 2024 – Jan. 2025
Rush Chair   *San Jose, CA*
- Co-led 6 rush events for 90+ prospects, managing logistics, budgeting, and vendor coordination to ensure smooth execution and high turnout.
- Delivered tailored programming—including a skills workshop and networking social—to showcase chapter culture and drive engagement and applications.

PROJECTS

Mindfit - Faith + Fitness | *React, Springboot, PostgreSQL, AWS S3, Supabase, Jest*
- Built a cross-platform mobile wellness app (React Native + Supabase) with one-tap logging, daily check-ins, and dark-mode UI — shipped in 4 design sprints.
- Cut workout logging time 75 % by designing a FAB + bottom-sheet UX and caching user presets; served static assets via AWS S3 to improve load times.
- Integrated GPT-4o via FastAPI + Celery, auto-generating faith-based "Boosts" in < 5 s and pushing them daily at 6 AM with zero downtime on a free-tier stack.

Financiai − Personal Finance AI | *Next.js, Rust WASM, Supabase, PostgreSQL, AES-256-GCM, LightGBM*
- Built an AI-powered finance tool to detect spending anomalies, summarize behavior, and provide insights on 10K+ transactions.
- Engineered CSV ingestion + normalization pipeline with Rust/WASM to enable real-time analysis of 10K+ transactions in under 500ms.
- Trained LightGBM Model (95% precision) to identify anomalous spending behavior; surfaced explanations with GPT-powered natural language summaries.
- Architected secure backend with row-level encryption and token-bucket rate limiting (250 req/min, 99.99% uptime).

ToGoBot - Autonomous food delivery robot | *FastAPI, React, Firebase, Google APIs, Uvicorn*
- Created an autonomous food delivery system with live tracking, GPS streaming, and web-based remote monitoring.
- Implemented FastAPI backend to stream GPS data and control autonomous robot in real time.
- Built React dashboard with Firebase Auth + Maps API to monitor position and system metrics.

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript, SQL, Java, R
Tools/Frameworks: Linux, Git/GitHub, Docker, Supabase, Firebase, FastAPI, MongoDB, Jupyter Notebook
Interests: Basketball, Badminton, Pickleball, Movies, Hiking, Traveling, Sewing