

Nicholas M. Kasten

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EDUCATION

Loyola Marymount University, Seaver College of Science and Engineering Los Angeles, CA
Bachelor of Science in Computer Science – GPA: 3.98 Class of 2026
Honors: Presidential Scholar, Dean’s List (Fall 2022–Present)
Notable Coursework: Full-Stack App Dev, Interaction Design, Databases, AI, Cognitive Systems, (Grad) ML, NLP, Data Science

EXPERIENCE

Little Box Ideas, Inc. San Jose, CA
Co-Founder and Head of Development June 2025 – Present

Scout-Mobile – Open-Source MCP Plugin for Claude Code

- Designed and shipped MCP server enabling Claude Code to build and test React Native apps via iOS Simulator
- Achieved 450+ npm downloads in 3 weeks; published 5 releases with 14 MCP tools across 3 npm workspaces
- Wrote 202 unit tests (Vitest); enforced regex allowlists, path traversal guards, and argument-array-only execution
- Maintained zero-runtime-dependency security policy; licensed under AGPL-3.0 with dual-licensing model
- Architected extensible monorepo (core, platform-ios, framework-rn), designed for Android and new framework support

QualQuant – AI Trading Agent

- Built autonomous trading agent combining LLM reasoning with reinforcement learning and news sentiment analysis
- Backtested RL model on 5 years of stock data, achieving up to 2x simulated capital returns

Google

AI and Machine Learning Instructional Intern (Return) Los Angeles, CA
Sep. 2025 – Present

- Led 15 students across 3 sub-teams (ML, MR, Production) as Lead Developer/PM on 12-week client project
- Architected immersive live experience integrating MediaPipe CV, Galaxy XR mixed reality, and multi-camera systems
- Built cross-device coordination layer linking laptop, headset, TV display, and in-room camera inputs
- Authored AI computer vision labs including hand-gesture instrument built with MediaPipe + Google Colab

Briefcase – Senior Capstone Project

Full-Stack Developer Los Angeles, CA
Aug. 2025 – May 2026

- Built case-review software for the Loyola Project for the Innocent, aiding wrongful-conviction cold case lawyers
- Replaced Tesseract OCR with custom pipeline: ~\$0.00002/GB, up to 99% accuracy on handwritten documents
- Implemented HIPAA-grade security: KMS key rings, CMEK, SHA-256, Bcrypt 12-round hashing, encryption at rest
- Built CI/CD pipelines for linting and builds across React Native + Next.js frontend and Python Flask + GCP backend

Ascot Hills – Microforest Research Platform

Full-Stack Developer Los Angeles, CA
Sep. 2025 – Present

- Developed 3-app platform (React Native + Next.js + React/Firebase) for microforest carbon-sequestration research
- Built offline-first QR scanning for field data collection without cell service; created public carbon-data map site

SKILLS

Languages: Python, Java, JavaScript, TypeScript, Swift, Go, C, Rust, Kotlin, SQL, OCaml, Haskell

Tools & Frameworks: React Native, Next.js, Flask, Firebase, Docker, Git, GitHub Actions, Vitest, Jest, Vercel, Postman

AI/ML & Dev Tools: Claude Code, Cursor, Copilot, MediaPipe, PyTorch, MCP SDK, Reinforcement Learning, Prompt Engineering

ADDITIONAL ACTIVITIES

Teaching Assistant – Artificial Intelligence | LMU Computer Science Department Jan 2025 – Present

Founder – LMU ACM DevSprint Program | AI-powered career-skill building sprints and workshops Aug. 2025 – Present

Music Composer and Conductor | LMU School of Film and Television 2022 – Present