

Tristan Saucedo

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EXPERIENCE

ManageXR

San Francisco, CA

Software Engineer (Android, Fullstack)

August 2024 - Present

- Own core device-management features in the Android device-management (MDM) agent (Kotlin/Java), shipping end-to-end workflows spanning enrollment/provisioning, firmware/OTA, content sync/downloads, and status reporting
- Deliver cross-stack platform support for new hardware (e.g., Galaxy XR), coordinating changes across Android + backend services + web console (model/branding, device identification, runtime/config compatibility) to make onboarding reliable in production, shipping across 4 core repos (often 6)
- Build and refine device UX/control surfaces across Unity (VR Home Screen/toolbar behaviors) and web (admin tooling, feature-flag visibility, targeted UI fixes) to support internal ops and customer deployments
- Operate production systems: manage staging/production releases, automate parts of release/process documentation, participate in on-call, triage Sentry/Crashlytics issues, and partner with Customer Success including onsite fleet provisioning for a large deployment for key customer

CS 279: Structure and Organization of Biomolecules and Cells

Stanford, CA

Teaching Assistant

Fall 2022

- Designed and graded coding problem sets relating to protein structure prediction and molecular simulation
- Led biweekly office hours and tutorial sections to guide project development and overall learning
- Mentored student teams on debugging and project scoping; improved project quality and completion
- Assessed student performance through problem sets, final exam, and final project

Stanford School of Medicine (Monje, Huguenard, Knowles Labs)

Stanford Medical School, CA

Researcher

Fall 2019 - Winter 2023

- Co-authored *Nature Neuroscience* (2022); contributed EEG coherence analyses and publication figures
- Built and maintained MATLAB-based EEG analysis tooling (annotation workflows, coherence metrics, reproducible figure generation)
- Created a remote analysis workstation + onboarding materials (Excel/MATLAB), enabling summer fellows to run standardized processing independently
- Early member of the Knowles Lab; helped stand up analysis workflows and training materials as the lab launched

EDUCATION

Stanford University

Stanford, CA

M.S., Computer Science (Artificial Intelligence)

June 2023

B.S., Biology; Minor, Classics

June 2023

PROJECTS

Light it up: Predicting Song Features to Motivate Lighting Choice (Best Project Award - top 3%) CS 229

- Built a real-time model to predict pitch/timbre features from live music to drive lighting selection; benchmarked RNN vs baselines (FCNN, logistic regression) and explored genre clustering with K-means

SKILLS

Languages: Kotlin, Java, TypeScript, C#, Python, MATLAB, C++, SQL

Frameworks/Platforms: Android, Unity, React, Node/NestJS

Tools: Git, CI/CD, Sentry/Crashlytics

ML: neural networks, clustering, model evaluation; data analysis (NumPy/Pandas)

LLM tooling: Codex, agent-deck; agentic workflows for development and iteration