ADRIEL VIJUAN

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LinkedIn | Portfolio Site | GitHub

EDUCATION

University of California, Berkeley   **May 2025**
B.S. Electrical Engineering and Computer Science (EECS)
Minor: Data Science

SKILLS

- **Languages:** Python, TypeScript/JavaScript, Java, C, SQL
- **Frontend:** React, Next.js, Tailwind CSS, Figma
- **Backend**/**Tools:** FastAPI, Supabase, PostgreSQL, Git/GitHub
- **Integrations:** OAuth, Webhooks, REST APIs, Stripe
- **Data/ML:** NumPy, Pandas, Matplotlib, PyTorch, scikit-learn, LLM orchestration

EXPERIENCE

Software Engineer   **September 2025 – Present**
Apex Agent Labs   *San Mateo, CA*
- Developed AI-powered CRO Analyst Agent through 20+ versions, implementing financial impact analysis, automatic data quality detection, and persistent memory for e-commerce conversion optimization
- Built 50+ React/TypeScript components with real-time analytics, subscription billing integration, and OAuth flows with automatic token refresh for e-commerce platform connections
- Architected parallel data pipelines with incremental sync, multi-agent orchestration framework, and security hardening (XSS protection, row-level security, input validation)

AI/ML Engineer Intern   **June 2023 – September 2023**
Dowork.ai   *Remote*
- Handled prompt-tuning workflow aimed at reducing hallucinations
- Shadowed CTO on production ML architecture; gained experience deploying inference endpoints on AWS SageMaker and Azure ML, tweaking temperature, top-p, and max-token settings to optimize quality-vs-cost trade-offs

Web Developer & Design Team Lead   **February 2022 – June 2025**
KOSMOS @ Cal – Student Org   *Berkeley, CA*
- Co-built and maintained a live React/Next.js site; componentized gallery/roster/history; deployed on Vercel
- Led visual direction and UX design; typography, branding, and layout systems
- Grew multi-platform content engagement by *200%* (*150,000+* views) and led production for 40+ YouTube projects

Data Science Intern   **June 2021 – August 2021**
Berkeley Labs   *Berkeley, CA*
- Built Python simulation framework using LBL's MSWH software to analyze solar water heating system performance
- Created energy consumption visualizations (heatmaps, performance plots) to optimize residential and community system designs

PROJECTS

Chronos: AI Historical Timeline Explorer | *React, TypeScript, Tailwind, Groq, Wikidata*   **January 2026**
- Built an AI-powered timeline generator that synthesizes historical eras and events from natural language queries, integrating Claude API with Wikidata SPARQLand Wikipedia APIs for multi-source enrichment
- Implemented real-time streaming generation pipeline with automatic event deduplication, category diversification, and citation verification across 3 data sources
- Designed interactive visualization system with map view (Leaflet), animated timeline playback, and responsive event cards; deployed on Vercel with serverless API functions

Product Page Reviewer (UX/CRO Analysis) | *FastAPI, React, TypeScript, Tailwind, OpenAI*   **September 2025**
- Built a full-stack MVP (FastAPI backend + React/Vite frontend) that analyzes product pages and produces UX/conversion reports with structured scoring and recommendations
- Engineered a heuristics system extracting 50+ UX signals (CTA placement, pricing visibility, reviews, trust badges, accessibility) and computing weighted category + overall conversion scores

LEADERSHIP & INVOLVEMENT

Training Team Director   **August 2024–December 2024**
AFX Dance
- Directed choreography, performance blocking, and artistic vision for campus-based new/intermediate level dance team
- Led and coordinated 60+ dancers, overseeing all aspects of production: music selection, choreography development, casting, finance logistics, and performance scheduling