

Alejandro Marchesini

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Skills

Programming Languages: Python, JavaScript, TypeScript, C++, HTML, MySQL, LaTeX

Frontend: React, React Router, Tailwind CSS, Figma, shadcn/ui

Backend & Database: Supabase, PostgreSQL, REST APIs

Tools & Technologies: Git/GitHub, Vite, Vercel, Expo, VS Code

Experience

Data Scientist

September 2025 - May 2026

Crowell+ Digital Marketing Group

La Mirada, CA

- Explored an automated YouTube data pipeline via Google APIs and BigQuery; diagnosed credential blockers and pivoted to manual extraction through YouTube Studio analytics.
- Collected and analyzed multi-year video performance and audience demographic data, consolidating findings into a structured Google Sheets model with charts and trend visualizations.
- Delivered a strategic playbook to the university marketing manager outlining 7+ data-driven hypotheses on audience behavior, content performance, and channel growth opportunities.

Math & Computer Science Intern

June 2025 - Aug 2025

Biola University

La Mirada, CA

- Led prototyping of 4+ equation formats across LaTeX, MathJax, and Overleaf, building the foundational, maintainable code for an educational app that generates readable math expressions for children.
- Facilitated weekly meetings to present updates, incorporate feedback, and refactor code toward technical and pedagogical goals.
- Developed 6+ LaTeX documents (100-200 lines) over 45 hours, building strong proficiency in LaTeX from scratch.

Projects

Class Registration Web App

January 2026 - May 2026

React, TypeScript, Supabase | [GitHub repo](#)

La Mirada, CA

- Served as UI lead for a team of 4, architecting the app shell, React Router structure, and global state via a custom React Context provider connected to a live Supabase/PostgreSQL backend.
- Built 30+ reusable components across 5 pages, including a class search, weekly calendar, and cart system with 5 real-time validations (time conflicts, prerequisites, seat availability, duplicates, credit cap).
- Engineered a custom breadcrumb system with sessionStorage persistence, handling query string preservation and deduplication; collaborated in a 4-person Agile team across 3 sprints with GitHub version control and PR reviews.

FaithFinance - Personal Finance & Giving Tracker

October 2025 - December 2025

React Native & Expo | [GitHub repo](#)

La Mirada, CA

- Served as project manager and lead developer for a mobile budget tracker using React Native, TypeScript, and Expo with 9 screens and 35+ reusable components for tracking income, spending, and charitable giving.
- Implemented AsyncStorage with full CRUD functionality to persist transactions across 3 types and 15+ categories.
- Engineered a responsive, mobile-first UI with scaling utilities, stack/bottom navigation, and 20+ integrated Bible verses for faith-based financial reflection.

Education

Bachelor of Computer Science: Data Science and Information Systems | GPA: 3.97

May 2026

Biola University, La Mirada, CA

- **President's Scholarship | Elite 18 Award** – highest cumulative GPA on the roster (2024-2025)
- **Relevant Coursework:** Software Engineer, Data Science, Database Management, Business Analytics, Data Structures, UI/UX, Operating Systems, Computer Communications, Business Finance.
- **NCAA Division II Student-Athlete - Swimming - Team Culture Leader:** Committed 20+ hours per week to training, competition, and travel while fostering accountability and positive team dynamics.