

Alejandro Marchesini

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Skills

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

Crowell+ Digital Marketing Group

September 2025 - May 2026 • La Mirada, CA

Data Scientist

- Attempted to build 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.

Biola University

Math Computer Science Internship

June 2025 - Aug 2025 • La Mirada, CA

Supervisor: Assoc Dean, Endowed Chair of Computer Science

- Led prototyping for 4+ LaTeX, MathJAX, Overleaf mathematical equations, and solution tools formats.
- Led meetings to present updates, implement feedback, and refactor code towards technical and pedagogical goals.
- Developed 6+ LaTeX documents (100-200 lines) over 45 hours, building strong proficiency in LaTeX from scratch.

Swim Instructor

January 2024 - May 2026 • La Mirada, CA

- Composed individualized swim lessons for 15+ students, improving technique and performance across groups.
- Reduced incident risk to zero across 150+ hours of instruction.

Projects

Class Registration Web App

January 2026 - May 2026 • La Mirada, CA

React, TypeScript, Supabase | Team of 4 | [GitHub repo](#)

- Served as UI lead, 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 • La Mirada, CA

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

- 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 to persist transactions across 3 types and 15+ categories.
- Engineered responsive mobile-first UI with scaling utilities to ensure consistent layout across different devices.
- Integrated stack/bottom navigation and added 20+ Bible verses for faith-based financial reflection.

Education

B.S. in Computer Science: Data Science and Information Systems | GPA: 3.97

May 2026 • La Mirada, CA

Biola University • Minor in Business

- **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.

Leadership Experience

NCAA Division II Student-Athlete – Swimming

August 2022 - May 2026 • La Mirada, CA

- **Team Culture Leader:** Committed 20+ hours per week to training, competition, and travel while maintaining a 3.97 GPA and fostering accountability, and positive team dynamics.