Gabriel Gallo

(925) 481-4820 | gabriel.gallo.jr@gmail.com | *Gabriel Gallo | LinkedIn* | Gabriel Gallo Portfolio

Education

University of California, Berkeley — May 2026

Bachelor of Science in Electrical Engineering and Computer Science — *GPA: 3.61/4.00*
- **Coursework:** Discrete Mathematics and Probability, Introduction to Full-Stack Development, Data Structures and Algorithms, Machine Learning, Introduction to Robotics, Optimization Models in Engineering

Technical Skills

Languages: Python, SQL, C/C++, Java, JavaScript, TypeScript, HTML/CSS
Framework & Libraries: React.js, Node.js, Express.js, NumPy, MongoDB, Django
Developer Tools: Git, Cloudflare, Firebase, AWS, Netlify

Experience

Software Engineer — May 2025

UNIFIBD — *San Jose, CA*
- Led the end-to-end development of a cross-platform mobile application supporting individuals with Crohn's disease, reaching over 5000 users.
- Migrated legacy iOS codebase from Swift to Flutter, enabling a single shared codebase for both iOS and Android and expanding the app's reach by 2x.
- Published and maintained the app on the Apple App Store and Google Play Store, increasing accessibility and visibility across platforms.
- Optimized app performance by reducing load times by 30%, leading to a smoother and more responsive user experience.
- Collaborated with a team of 3 engineers, implementing platform-specific enhancements and conducting cross-device testing to ensure a consistent UX across Android and iOS.

Cashier — Sept. 2021 – Sept. 2024

Costco Wholesale — *Concord, CA*
- Delivered fast, friendly, and accurate checkout service to an average of 100+ customers per shift in a high-volume retail environment.
- Recognized by supervisors for reliability, punctuality, and strong work ethic in a fast-paced, team-oriented environment.
- Managed daily operations, resolved customer concerns, and fostered a positive team environment through effective and consistent communication.

Projects

The IBD Digest | *Flutter, Dart*
- Developed a cross-platform mobile app using Flutter and Dart for iOS, Android, and Web platforms.
- Integrated medical assessment tool (SIBDQ) with data validation and local storage persistence.
- Built recipe and ingredient database with searchable content and detailed information pages.
- Optimized animations, lazy rendering, and error handling for smooth cross-platform performance

Flow | *Angular, SCSS, TypeScript, Python, Django, MongoDB, AWS, Gemini API*
- Switch seamlessly between email and calendar in an authenticated dashboard with collapsible sidebar navigation
- Secure Auth: Integrated Google OAuth 2.0 login via django-allauth.
- AI-Powered Email Tools: Backend processes email content for summarization, categorization, and event detection using NLP (spaCy, NLTK)
- Built with Django, Django REST Framework, and PostgreSQL, using Celery and Redis for background task processing

Treble Boost Effects Box | *SPICE Simulation, Op-Amps, Frequency Filtering, Circuit Debugging*
- Derived and implemented symbolic transfer function to shape desired gain and frequency response using op-amp topology.
- Modeled transient and frequency domain behavior using LTspice to validate expected performance (gain ≥ 10 at 1–15 kHz)
- Built the circuit on a breadboard using noise-suppression techniques such as bypass capacitors, minimized wiring, and AM interference mitigation