Gregory Calderon

San Fernando, CA | 818-624-3238 | github.com/greg-of-Earth | https://greg-of-earth.netlify.app/ | greg87calderon@gmail.com

PROFESSIONAL SUMMARY

Software Engineer with strong skills in **JavaScript (React, Node.js/Express) and Python**. Experienced in building **dynamic web applications, SPAs, RESTful APIs, and database-driven back-end systems**, with a foundation in **Agile workflows** and performance optimization. Additional experience in embedded systems, data analysis and computer vision to complement and enhance problem-solving abilities.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, C, HTML5, CSS, SQL, TypeScript
Frameworks & Libraries: React, Django, Node.js/Express, Tkinter, PyQt, NumPy, Pandas, Matplotlib
Tools & DevOps: Git, GitHub, AWS (Cloud Practitioner), Agile/Scrum
Specialties: Full-stack web development, REST API design, database integration, front-end UI/UX, cloud architecture, embedded systems programming, computer vision, data analysis & visualization

EDUCATION

California State University Northridge – B.S. Computer Science, Minor in Physics, GPA: 3.88 *(May 2025)*
Los Angeles Mission College – A.S. Computer Science, A.S. Mathematics, GPA: 3.9 *(May 2023)*

EXPERIENCE

Ute Aerospace – Software Engineer Intern ..... *(Jun 2024 – Aug 2024)*

- Built **full-stack** infrastructure with **Django REST and React** to support aerospace website.
- Designed **UI/UX** of company website while integrating **RESTful APIs** for data exchange.
- Scheduled to contribute to **DO-178-compliant safety-critical software development** for flight systems.

PROJECTS

SAE AERO – Autonomous Aircraft *(Python, Embedded C, RTOS, OpenCV)* ..... *(Jun 2024 – May 2025)*

- Led avionics team to design fully autonomous payload capture/delivery aircraft.
- Programmed **STM32 microcontrollers** and **Raspberry Pi** to handle servo control, telemetry, and sensor integration.
- Developed computer vision software for **object detection and geo-location**.

CSUN Micro-Hackathon *(Django, React, Tailwind CSS)* ..... *(April 2024)*

- Won **1st place** as a member of a 4-person team at CSUN hosted 5-hour micro hackathon.
- Built **Django** endpoints and contributed to **backend** development for student note-sharing application.
- Led **frontend** development and **MVP presentation**.

Code-For-A-Cause Hackathon – ADA-Compliant Game App *(TypeScript, React, CSS)* ..... *(Feb 2024)*

- Won **2nd place** in 48-hour hackathon hosted by **CSUN & Northrop Grumman**.
- Implemented accessible UI components ensuring **ADA compliance** for visually impaired users.
- Optimized **front-end** performance and **state management**, improving responsiveness across devices.

AWARDS & LEADERSHIP

- **1st Place**, Girls-Who-Code Hackathon *(2024)*
- **Avionics Lead**, SAE Aero Team *(2024–2025)*
- **Magna Cum Laude** *(2025)*