David Calderon

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EDUCATION

Bachelor of Science, Computer Science   **Graduation Date:** May 2026
California State University of Fullerton
Relevant Coursework: Object-Oriented Programming, C++ Programming, Data Structures and Algorithms

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, C++, Java, Python
Frameworks/Libraries: Next.js, React, Express, Node.js, Tailwind, Bootstrap, tRPC
Tools & Methodologies: Git/GitHub, RESTful APIs, MongoDB, Mongoose, Postgresql, Figma, Agile/Scrum

EXPERIENCE

US Department of Agriculture | Data Scientist | Riverside, CA   June 2024 - August 2024
- Managed and processed datasets of up to 30,000+ entries using Excel and Python to analyze the crop growth timelines through Planetscope's satellite network
- Developed visualizations correlating satellite data with crop yields across 3 field sheets providing actionable insight with Python's matplotlib
- Collaborated closely with a lead data scientist, ensuring consistent project progress through clear communication and consistent meetings ensuring timely delivery of analyses

Altitud | Founded/Front End Developer | Santa Ana, CA   June 2023 - November 2024
- Founded and led Altitud, a web service organization empowering small businesses in the community by providing cost-free website development solutions.
- Oversaw UI/UX design, development, documentation, and maintenance setting the foundation for efficient project delivery, client satisfaction, and seamless onboarding for new developers
- Spearheaded collaboration among a team of 3 developers, implementing Agile practices and reusable code, reducing sprint backlog completion time by 25%
- Translated client visions into technical solutions, achieving a 95% design to final code implementation

PROJECTS

Altitud Website | *Project Link*   July 2023 - Present
- Engineered the site's architecture using Next.js to leverage SSR improving SEO and load times
- Integrated RESTful API with MongoDB via Mongoose enabling database CRUD for customer information and needs
- Collaboratively designed and developed website from scratch through Agile/Scrum practice pushing out MVP version

Steph's Puppies | *Project Link*   July 2023 - Present
- Attracted 130+ new users by developing a puppy adoption website, initiating the business's online presence
- Enhanced development efficiency by 40% and improved overall workflow through the design and implementation of reusable components, utilizing JavaScript libraries and custom Tailwind classes
- Resolved over 20 merge conflicts within a deadline, ensuring seamless code integration and deployment
- Created a 90% design-to-development fidelity utilizing Figma to draft and refine designs, from concept to code

Portfolio Website | *Project Link*   June 2023 - Present
- Developed a responsive web page utilizing Tailwind/CSS to provide a comfortable viewing on a wide range of devices
- Leveraged A/B analytics to optimize design, resulting in a 30% increase in average session duration
- Resolved safari specific bug by conducting cross-browser testing ensuring code functionality across all browsers