

# GUILLERMO ALFARO

## Full Stack Software Engineer

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### TECHNICAL SKILLS

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- **Front-End:** React, JavaScript/TypeScript, HTML5, CSS3
- **Back-End:** Python, Vercel, RESTful APIs, SaaS, Django, Node.js, MongoDB
- **Libraries:** Cesium, Pandas, GeoPandas, Three.js
- **Project Management:** Scrum, Agile, Git, CI/CD, Asana, Slack, Microsoft Teams, ClickUp, Jira, Figma

### EXPERIENCE

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**C3 AI** (CONTRACTOR VIA PARADYME)

REDWOOD CITY, CA

Full Stack Software Engineer

2024 - Present

- **Optimized** client-side 3D mapping software (Cesium), achieving a **3x performance improvement**, reducing load times and increasing rendering efficiency.
- Leveraged **Cesium** for the US Military, to show targets, objectives, ETAs, counter-measures, and more exceeding MVP requirements.
- **Refactored** form input logic, **reducing user clicks by 8 per form**, improving data entry efficiency and user experience.
- **Integrated** a caching mechanism for Cesium data layers, **cutting redundant API calls by 60%**, improving network efficiency.

**NEW FRONTIER FUNDING** (START-UP)

SAN DIEGO, CA

Software Engineer

2023 - 2024

- Built an end-to-end **lead procurement pipeline**, **saving \$100k/year** by removing dependency on third-party data brokers.
- Fine-tuned a GPT model for CEO/Owner identification, **boosting accuracy by 38%**, increasing lead quality.
- Implemented an advanced email verification system using Holehe, **reducing bounce rates by 10%** and improving email deliverability.

### EDUCATION

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**UNIVERSITY OF CALIFORNIA SANTA CRUZ**

Santa Cruz, CA

*Bachelor of Science, Computer Science*

2020 - 2023

**BAKERSFIELD COMMUNITY COLLEGE**

Bakersfield, CA

*Associate of Science, Mechanized Agriculture*

2016 - 2020

### PROJECTS

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**CachMe** (React Native)

- Social media app where you see posts only within a certain radius of you.
- Created custom components to give a consistent, uniform look all around the app.
- Leveraged Google Maps API and Google Maps Heatmap to show hotspots of posts.