GUILLERMO ALFARO

Software Design Engineer

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EXPERIENCE

Software Design Engineer — **Redwood City, CA**
Paradyme & C3.AI — **June 2024 - Present**

- Contributed to high stakes government contract bid as full-stack React developer shipping in 3 months.
- Created a mock RESTful API based on documentation to simulate real API interactions, allowing my team to build features months in advance.
- Leveraging the C3 Type System to build robust applications.

Software Engineer — **San Diego, CA**
New Frontier Funding — **Nov 2023 - May 2024**

- Designed and implemented a robust lead procurement pipeline using Azure Logic/Function apps, enhancing reliability and scalability through Object-Oriented Programming (OOP) principles.
- Sole developer of a project that built comprehensive company profiles by aggregating data on recent loans, investments, and shareholders, streamlining the lead qualification process.
- Created a system to identify key decision-makers within companies, leveraging advanced algorithms to find and verify executive contact information, enhancing targeting accuracy.
- Engineered a versatile email generation system tailored to specific services, integrating with multiple marketing partners to deliver personalized outreach on behalf of B2B clients.

EDUCATION

UNIVERSITY OF CALIFORNIA SANTA CRUZ — **Santa Cruz, CA**
Bachelor of Science, Computer Science — **Sep 2020 - Sep 2023**

BAKERSFIELD COMMUNITY COLLEGE — **Bakersfield, CA**
Associate of Science, Mechanized Agriculture — **June 2016 - Aug 2020**

PROJECTS

- Used React Native to build cross-platform location based social media app on geocaching but for posts
  - I used google maps API to show posts and give a path to their location
  - I implemented the UI for the home feed, post creation page, and singular post view
  - My team and I used Scrum and Agile practices to organize and lead our team in a collaborative way
- ML Author Identification/Plagiarism Detection
  - Vectorized training data of 100,000 texts with ability to remove noise/filler words after processing
  - I utilized K-nearest neighbors to compare an unknown text to our database of training data.
  - I used different distance algorithms to compare input text with training data: Euclidean, Manhattan, Cosine. Based on results Manhattan distance is the most accurate when 100% of noise words removed

TECHNICAL SKILLS

- Program Management: Scrum, Agile, Git, CI/CD, Asana, Slack, ClickUp, Jira
- Programming Languages: Python, Js/Ts
- SWE Tools: React, React Native, SQL, RESTful APIs, SaaS, Azure, OOP