Alejandro Patino Camargo

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EDUCATION

SAN JOSE STATE UNIVERSITY   San Jose, CA
Bachelor of Science   Expected December 2024
Major in Environmental Studies; Minors in Sustainable Energy

West Valley College   Saratoga, CA
Associates of Science   August 2019 –May 2022
Computer Science
Relevant Coursework: C++, Java, Data Structures and Algorithms, Assembly, Debugging Fundamentals.

WORK EXPERIENCE

CODE THE DREAM LABS   Durham, NC
Junior Software Engineer   March 2024 – Present
- Built secure RESTful APIs by implementing authentication and authorization strategies to protect data and user access.
- Implemented backend solutions with Node.js, MongoDB, and Airtable to optimize database synchronization.
- Integrated testing using Playwright, Jest, and Service Workers to identify issues early in the development process.
- Assisted in migrating the application from Next.js 12 to Next.js 15 to enhance performance and feature capabilities.

SF OFFICE OF CIVIC ENGAGEMENT AND IMMIGRANT AFFAIRS   San Francisco , CA
Data Analyst - Senior Fellow   July 2022 – March 2024
- Led the creation of visualizations for the Community Ambassadors Program (CAP) using Excel and Power BI.
- Published government datasets from 2022 to 2023 ensure accuracy and transparency.
- Conducted data cleaning and organization in Excel, processing over 150,000 data points annually.
- Ensured accessibility in visualizations with inclusive color schemes and alt text for clarity.

PROJECTS

SKILL STACKS   November 2023
Project Manager and Frontend Developer
- Developed a study tool aimed at maximizing retention through engaging and interactive flashcards.
- Utilized agile methodology during the 8-week development cycle, emphasizing continuous improvement.
- Facilitated daily standups and managed GitHub issue creation to streamline team communication and project efficiency.
- Designed and developed the UI using Figma and Radix-UI.

PHRAZ_L   March 2022
Backend Developer
- Developed a game using Web-Sockets, React, Tailwind CSS, Node.js, Express, and MongoDB.
- Built secure API endpoints for efficient game actions and real time data communication.
- Created a highly responsive game server capable of supporting a large number of simultaneous players.

ACTIVITIES

OPEN SOURCE SAN JOSE   San Jose , CA
Full Stack Engineering Volunteer   March 2024 – Present
- Lead the TallyUp project, an app designed to tally and track handouts of various supplies to people in need.
- Developed using Javascript, React, MongoDB, and implemented Docker for localization.

ADDITIONAL

Technical Skills: JavaScript, TypeScript, C++, HTML/CSS; Node.js, Express.js; MongoDB; Power BI, Excel, Figma, Postman; Agile; knowledgeable in data visualization best practices and accessibility standards.