Alejandro Chanocua

chanocuaalejandro@gmail.com | (562)-536-6642 | Fullerton, CA | alejandrochanocua.com |
linkedin.com/in/alejandro-chanocua | github.com/alexchanocua

EDUCATION

California State University, Los Angeles   *Sept 2020 - May 2022*
B.S. Computer Science
Coursework: Data Structures, Algorithms, Databases, Web Development, Data Science, Machine Learning

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, C++, SQL
Technologies: ReactJS, NodeJS, ExpressJS, VSCode, Firebase, MongoDB, GitHub, PostMan, Jupyter Notebook

EXPERIENCE

Project Lead, Frontend Developer | City of Los Angeles and CSULA   *Sept 2021 – May 2022*
Bureau of Engineering Sidewalk Monitoring System
• Developed software for a semi-automated rover, categorizing 11,000 miles of sidewalks in Los Angeles for repairs.
• Managed and led a team of 9 students and 5 teams, by establishing sprints and delegating project requirements.
• Designed the rover's front-end UI, enabling 100% data capture and rover control, using HTML, JavaScript, and CSS.
• Achieved design and requirement agreements by 100%, by implementing an Agile workflow and establishing sprints.
• Contributed to development of a backend service, that provides API support for the front-end web app, using NodeJS.
• Created bi-weekly reports for stakeholders, by developing concise project updates, roadmap, and goals.
• Authored comprehensive Software Design Documents and Software Requirements Specifications, outlining requirements for data capture and storage.

PROJECTS

Football Search API
• Developed backend API providing football stats of a given team and players using NodeJS, JavaScript, and ExpressJS.
• Designed RESTful backend service for football stats to be returned persistently and stable through requested API calls.
• Successfully developed custom Node module, achieving 95% accurate sports results, using 3rd party data scraping API.
• Optimized 3rd party API returned data, decreasing 90% data volume, by parsing data with developed algorithms.
• Validated API functionality through Postman testing and ensured seamless integration with front-end systems.

Ultra
• Designed and developed an image-sharing website that uses user profiles to allow image posts.
• Built a responsive front-end UI utilizing ReactJS, Material UI, HTML, and CSS.
• Leveraged knowledge of Firebase as a backend as a service, securely authenticate users with given credentials.
• Utilized Firestore as a NoSQL database solution to store and manage user-uploaded images, contributing to platform performance and stability.

Personal Portfolio Website
• Built a personal website showcasing personal projects and contact info.
• Utilized EmailJS to connect email form to retrieve relevant information for potential contacts.
• Boosted potential employer contacts by 15%, by incorporating project details and resume.
• Created responsive web views, ensuring optimal viewing experience across devices utilizing ReactJS, HTML, and CSS.