

Alex Franco

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Skills

- React, Vue, Angular, HTML/CSS, JavaScript, TypeScript, REST API's, Node Servers, API Servers, C++, Java, Object Oriented Programming, Application Life Cycle Methodologies (Waterfall, Agile, Scrum, etc.)

Education

BACHELOR OF SCIENCE | JUNE 2022 | OREGON STATE UNIVERSITY

- Major: Computer Science | GPA: 3.63 | Cum Laude Honors

ASSOCIATES IN COMPUTER SCIENCE | JUNE 2020 | CHEMEKETA COMMUNITY COLLEGE

- Major: Computer Science | GPA: 3.56 | Attained 4 different associates degrees in 2 years

Experience

WILDLAND FIREFIGHTER | MQ FRANCO REFORESTATION | JUNE 2018 – SEPTEMBER 2021

- Lead a 19-person team as a Squad Boss commanding and managing each person's responsibilities.
- Coordinated the arrangement and tasks of 19 other employees in a fast-paced, dynamic, and stressful environment fighting wildfires throughout Oregon and Washington.

CAMP MENTOR | CHEMEKETA COMMUNITY COLLEGE | AUGUST 2019 – JUNE 2020

- Mentored for the College Assistance Migrant Program, leading and working with 6-7 first-generation students throughout the school year.
- Worked in the mentoring team, meeting weekly to discuss and coordinate the success of the students we mentored.

WEB DEVELOPER INTERN | AFS FORESTRY | JUNE 2022 – AUGUST 2022

- Tasked with creating a robust and simple web application to manage and process payroll for company employees. Lead the design choices in terms of which framework to use when creating the application.
- Created a personalized web application to manage 20+ employees and process payroll. Saved 4 hours daily from an automated payroll processing application.
- Web application was built with React, utilizing a custom API to display employee information that was fetched from a MongoDB database.
- Authorized admins can add/remove employees and alter employee's information.
- Languages used: HTML/CSS, TypeScript, JavaScript

Projects & Web Development Experience

REACT / ANGULAR

- Developed a web application with React & Angular, and a custom API server to host a CRUD interface in which students can upload files. Utilized MongoDB for the backend and a custom Node server to communicate the data with the front-end website.

- Built a personal website hosted on GitHub Pages. Incorporated styling components to create a fully personalized site which hosts all the previous projects I have created. Built 2 version, one in React and one in Angular.

VUE

- Developed a standardized transfer tool for Oregon State University utilizing Vue and Node.js. The tool serves 2000 incoming transfer students yearly and cuts down the time advisors need to create personalized transfer guides by up to 50%.

NODE

- Built custom API Servers from the ground up using a Node server. Further utilized GraphQL, MongoDB and MYSQL to help serve the data. Implemented API authentication and authorization, and rate limiting.
- Created a Canvas clone, which implements a sign in/sign out authentication system that allows students to upload 1000+ files to the server. Server handles various API request and paginates results. Admins can add/remove students and other users who are not admins.