Alec Moore

alecdmoore.com | alecdmoore@gmail.com | www.linkedin.com/in/alecdmoore | (760) 674-6518 | San Jose, CA

**Education**

San Jose State University

* Bachelor of Science in Computer Science December 2021

Relevant Courses: Data Structures & Algorithms, Object Oriented Design, Operating Systems, Computer Architecture, Programming Paradigms, Software Engineering, Information Security, Computer Networks, Blockchain & Cryptocurrencies, Intro to Machine Learning, Advance C++ Programming, Server-side Web Programming

**Projects**

**YouTikTubeTok.com**

*React, Express, Node.js, MongoDB, Redux*, *AWS, Material UI*

* Developed a feature-rich MERN (MongoDB, Express.js, React.js, Node.js) social media app for sharing collections of embedded YouTube videos, TikTok videos, images, and test posts.
* Created a RESTful API, implementing JWT for authentication and authorization, including user registration, login, and role-based access control.
* Implemented a responsive user interface using Material UI for a polished and intuitive design.
* Utilized React Hooks and Redux for state management and efficient data flow.
* Deployed the application using an AWS EC2 instance, utilizing PM2 for backend process management and Nginx for frontend server configuration, ensuring reliable deployment and optimal performance.

**alecdmoore.com**

*React, AWS, Tailwind CSS*

* Developed a professional portfolio website utilizing React and Tailwind CSS to create a modern and visually appealing user interface.
* Hosted the website on an AWS S3 bucket and leveraged CloudFront for HTTPS encryption, ensuring secure and fast content delivery.
* Implemented getform.io API integration to enable seamless form communication, allowing efficient data submission for enhanced user engagement.

**alecdmoore.github.io/solar-system-builder**

*JavaScript, HTML, CSS*

* Developed interactive web application enabling users to place solar panels on satellite map imagery and calculate potential power output.
* Integrated Google Maps API and Leaflet.js to fetch and display high-resolution aerial views based on address searches.
* Utilized solar irradiation data and system specifications to call NREL renewable energy API to return accurate power generation metrics for user placements.

**TicTacToe**

*Java*

* Developed a Tic Tac Toe game application in Java using Model-View-Controller (MVC) architecture and Object-Oriented design principles.
* Implemented core game logic utilizing the Strategy design pattern to allow swappable themes and board styles.
* Collaborated with a team of 2 other developers to design use cases, sequence diagrams, and class diagrams to model the application design and define software specifications prior to implementation.

**Experience**

**Mitch’s on El Paseo**  January 2015 - June 2019

*Restaurant Server* – *Palm Desert, CA*

* Acted as Liaison between guests and kitchen staff of 20 to ensure food quality and accuracy of order
* Assisted guest’s selection from menu and wine list consisting of over 300 items according to preferences
* Managed multiple transactions ranging up to $2,000 per day

**Technologies and Languages**

JavaScript, Node.js, Python, HTML, CSS, Tailwind CSS, Java, React.js, Express.js, Git, MongoDB, AWS Unix