Alec Moore

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**Education**

San Jose State University

* Bachelor of Science in Computer Science December 2021

**Technical Projects**

**Real Estate Investment Analyzer Tool**

*React, Express, Node.js, MongoDB*

* Built a web application to analyze metrics and generate reports on rental properties
* Unit tested extensively through the React testing library
* Recorded property reports into MongoDB database for users to retrieve

**Siamese Chess**

*React, Express, Node.js, MySQL, Socket.io*

* Built a web application of a modified version of chess that requires 4 players
* Implemented live chat room feature within the game using Socket.io
* Stored user’s game history and record in a database utilizing MySQL

**NFT Collection Generator**

*React, Express, Node.js, Docker*

* Built a web application to generate all combinations of uploaded image layers
* Leveraged Jimp library to edit each image layer into a single image
* Created a containerized environment with Docker

**Solar Panel System Builder**

*JavaScript, HTML, CSS*

* Built a web application that allows user to design solar panel arrays for a given address’ roof
* Utilized Google Maps API and Leaflet API to display and edit satellite imagery of address
* Calculates and displays total power output, cost savings, etc. from requested data from NREL API

**Sorting Visualizer**

*React, Express, Node.js, Redux*

* Built a web application for visualizing sorting algorithms
* Implemented Merge Sort, Quick Sort, Heap Sort, and Bubble Sort

**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**

* Languages: JavaScript, Node.js, Python, HTML, CSS, C++, MySQL
* Frameworks: React.js, Express.js, Next.js
* OS: MacOS, Linux (Ubuntu, Raspbian), Windows
* Git (GitHub), Docker, MongoDB, Redux