**Joel Pantoja**

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# Technical Skills

**Technologies**: React, Node.js, Python, Express, MongoDB, SQL

**Concepts:** Web Development, Programming Paradigms, Design Patterns, Algorithms & Data Structures

# Projects *GitHub: pantojao*

**Flow Ecommerce Store** Spring 2021

## React, Commercejs, MaterialUI

* Created custom front end components with React and Material UI.
* Backend created and managed through a Commercejs Instance.
* Improved performance with hooks (useMemo, UseCallback) and minified file sizes with various tools.
* CDN and Skeletons are utilized to improve the load time of the pages.

**NASA Image Generator**  Winter 2020

## React, NASA API

* Used NASA’s APOD API to serve a random image from Nasa’s image collection.
* Created the search feature that allows the user to explore the NASA Image Library.
* Used methods such as caching, asynchronism, and prefetch to increase performance to over 95 on Lighthouse.

**Gains Tracker** Winter 2020

## React, Express, MongoDB, Bootstrap

* Created a MongoDB and schema that keeps track of user’s workout sessions and information.
* Implemented user authentication with Express Session, Passport, and Bcrypt.
* Utilized Express to serve assets while using React Router for navigation.

**PAC**-**MAN Search** Fall 2020

## jQuery, Algorithms

* Implemented breadth first search, depth first search, and bidirectional algorithms.
* Created a searchable graph with CSS grid and jQuery.
* Used the jQuery UI library to make the characters interactive.

**IPA Finder**  Fall 2020

## React, Punk API

* Created the user Interface that allows users to search for new IPAs through the Punk API.
* Built filter that allows users to search by a beverage’s content.
* Each IPA card is clickable and allows for users to read more about the product.
* Grid and Flexbox is used to align varying image sizes.

# EDUCATION

**University of California, Irvine, The Paul Merage School of Business**, Irvine, CA June 2020

Bachelor of Arts in Business Administration, *Emphasis in Information Systems*

GPA: 3.64; Dean’s List: Winter 2018 - Spring 2020

**Relevant coursework**: Data & Programming Analytics, Management of IT, Intro to Information Management, Business Intelligence for Analytical Decisions, Financial Research with Python, Fintech