CHARLES ZHANG

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SKILLS

Languages: JavaScript, HTML&CSS, Bootstrap, Express, Node.js, React, Python, Java, jQuery, Redux
Tools/Tech: Git, REST API, MongoDB, OAuth, IDEs (VS Code, PyCharm), Full-Stack/Web-Design

RELEVANT EXPERIENCE

Full Stack Developer   **Udemy Online**
Udemy Course Project (Customer Feedback Web Application)   July 2021 – Jan 2022

- Developed an web app to send mass emails to a large list of users for purpose of collecting feedback
- Handled credit card payment requests from users using Stripe API
- Enhanced user authentication flows with Google OAuth authentication
- Routed user requests on front end with React Router, and processed the requests on backend with Express.js
- Modularized reusable user inputs using Redux Form to promote reusability

Marketing Data Analyst   **Monrovia, CA**
MYFUN CORP   Sept 2018 – Dec 2018

- Developed prediction models and machine learning algorithms using python library such as Ski-Learn to improved understanding of buyer preferences
- Extracted and analyzed data sets from an E-commerce database by Pandas to analyze customer trends and behaviors to optimizing product pricing and payment methods as well as product recommendations
- Implemented Data visualization of analyzed growth points to identify potential growth by Matplotlib

PROJECTS

Vending Machine ([URL](#))   **Feb 2021 – May 2021**
A vending machine interface built in Java that allows users to make a beverage and snack selections
- Utilized State Design Patterns to make the app flexible and allow addition of new functionalities at run time.
- Sample operations are sorting, and displaying snack contents to the user

Campground WebApp ([URL](#))   **Sept 2020 – Dec 2020**
A web app which allows users to post reviews of campgrounds, upload images and add location data
- Utilized a No-SQL database (MongoDB) to perform CRUD operation of campgrounds
- Handled requests by sending requests to the corresponding JS endpoints

EDUCATION

Boston University   **Boston, MA**
MS Software Development (GPA: 3.44)   May 2021
- Coursework: Web App Development, Web Server Development, Software Design and Patterns, Data Structures & Algorithms, Advanced programming techniques, Information System Analysis and Design

University of California, Los Angeles   **Los Angeles, CA**
BA Geography   Aug 2018