

Nathaniel Natividad

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EDUCATION

University of California, Riverside | Bourns College of Engineering

Riverside, CA

BS in Computer Science

Graduation Date: June 2024

- **Relevant Coursework:** Data Structures and Algorithms, Introduction to Software Engineering, Design of Operating Systems, Logic Design, Introduction to Embedded Systems, Data Analysis Methods, Introduction to Artificial Intelligence, Database Management, Introduction to Big-Data

SKILLS

Languages: C/C++, Python, Java, Javascript, SQL, MYSQL, HTML, CSS

Technologies: MongoDB, React, Flask, Node.JS, Git, Github, Hadoop, Spark

PROJECTS

WebMart | [Github Link](#)

Class Project, Written in Javascript, HTML, and CSS

January 2023 - April 2023

- Collaborated with 4 team members to develop an online shopping market web application.
- Implemented a dynamic profile page using HTML and JavaScript, allowing users to customize and edit their profiles.
- Handled requests to implement the Friend's List page using HTML and JavaScript, enabling users to add friends and view their profiles.

KBBQ Text Mining | [Github Link](#)

December 2023

Class Project, Written in Python

- Leveraging Python pandas to build and clean a dataset by web scraping 100 Yelp reviews from 10 different Korean BBQ restaurants located in Los Angeles and creating a single data frame for analysis.
- Created a single data frame for analysis and performed exploratory data analysis methods such as TF-IDF and term frequency to explore the correlation between certain phrases and higher Yelp review ratings.

Housing Market Analysis | [Github Link](#)

April 2024 - June 2024

Senior Design Project, written in Flask, HTML, and CSS

- Utilized Hadoop and Pyspark to perform Big-Data Analysis on the United States housing market from 2012 to 2022
- Used MYSQL to store the analysis results for the backend
- Developed an analysis page using Flask, HTML, and CSS featuring an interactive map of the United States that queries information stored in the MYSQL server.
- Integrated OpenStreetMapsAPI to create the interactive map of analyzed data.

WORK EXPERIENCE

The Barn

Riverside, CA

Student Assistant

February 2023 - May 2024

- Effectively communicated with 15+ team members including students and professional staff to coordinate tasks and ensure smooth service.
- Maintained a consistent attendance record and adhered to assigned work schedules usually requiring me to work before, in between, and after class.