JAIME NUCI

Goleta, CA

(909)662-9269 ⋄ jnuci@ucsb.edu ⋄ github.com/jnuci

EDUCATION

University of California, Santa Barbara   *Sept 2019-June 2023*
Statistics and Data Science B.S.

RELEVANT COURSES

Python for Data Science and Machine Learning Bootcamp
Comprehensive course introducing data visualization and machine learning techniques. Gives exposure to Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, and Keras libraries

The Odin Project, Foundations Course
Open-source front-end development curriculum building foundations in HTML/CSS, and JavaScript

PROGRAMMING LANGUAGES

Languages	Python, R, JavaScript, SQL, HTML5, CSS
Technologies	PySpark, Git, Virtual Machine, React.js
Databases	PostgreSQL, SQLAlchemy, Google BigQuery, pgAdmin 4

PROJECTS

CRUD API
- Built responsive API through the Python fastAPI framework
- Incorporated PostgreSQL and pgAdmin 4 to manage relational database
- Tested and debugged features via the Postman API platform

Isagoat Discord Bot
- Developed a custom Discord bot using Python and discord.py API
- Implemented custom slash commands to return responsive messages and real-time Google search results with the Selenium library
- Deployed on Google Compute Engine virtual machine

Sorting Algorithm Visualizer
- Collaborated with a classmate to produce an interactive website that visualizes common sorting algorithms in real time
- Utilized JavaScript to develop and animate common sorting algorithms
- Included React component in JSX file to produce various sized bars and sorting commands

Music Genre Classification
- Aimed to improve upon existing methods for lyric-based music genre classification
- Contributed to data collection, data processing, and network training
- Implemented and trained a bi-LSTM neural network architecture via TensorFlow/Keras libraries
- Made use of Google Collab virtual machines