Bernie Graves

berniegraves@ucsb.edu
https://bernie-graves.github.io/
(858)-847-8064
Santa Barbara, CA 93117

EDUCATION

University of California, Santa Barbara Santa Barbara, CA
Bachelor of Science in Statistics and Data Science September 2019 – June 2023

- Honors Program 3.8 GPA
- Relevant Coursework: Statistical Machine Learning, Big Data, Regression Analysis, Business Strategy
- Capstone Project: Worked with P3, our sponsor company, to find statistical relationships between on court NBA production and their proprietary biomechanical data.

PROJECT EXPERIENCE

Food Fight!
- Created a multiplayer 3rd person "thrower" video game where players can start a food fight in a cartoony cafeteria. Utilized Unity, C# and NetCode for GameObjects to handle all aspects of the game ranging from animation to networking. Used Agile development to balance different aspects of the game and to remain on schedule.

Twitter NBA Dashboard
- Created a dashboard using the Python package Dash that allows users to explore the effect Twitter has on select NBA players statistical performance. Collected 71 MB of data from Twitter and NBA.com through various APIs. Leveraged the Amazon Comprehend API to do sentiment analysis on Tweets.

Airline Sentiment Analysis
- Built a sentiment analysis model using TensorFlow and trained it using Airline review data. Deployed the model using FastAPI and exposed a public endpoint of the API using Docker and Google Cloud Run. Automated CI/CD to update the deployed container on commits to a GitHub repository.

WORK EXPERIENCE

Learning Foundations Remote
iOS App Developer Dec. 2022 - present

- Built an iOS app from the ground up to translate their MoteNote book into an interactive app. Handled all aspects of the app from the backend authentication and database with Firebase to the UI with SwiftUI. App functions as a calendar/daily planner with activities meant to improve emotional intelligence and executive function.

Origgin Ventures Singapore, Singapore
Venture Sourcing Intern June 2022- August 2022

- Worked alongside the venture sourcing team to identify deep tech innovations. Completed market research and competitor analysis on the markets Origgin Ventures was considering.

SKILLS

Python – OOP, Pandas, Numpy	GitHub	Docker
R	Cloud Platforms – AWS, Microsoft Azure, Firebase	GitHub Actions
Unity, C#, NetCode for GameObjects	XCode, Swift	