VIVIAN YAN

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SKILLS

- **PROGRAMMING:** Java, Python, C/C++
- **TOOLS:** Git/Github, Unix

EDUCATION

University Of California, San Diego *September 2019 - Present*

B.S. Computer Science | Expected: 2023

- GPA: 3.97, Provost Honors
- **Relevant Coursework:** Advanced Data Structures, Computer Organizations & Systems, Algorithm & Systems Analysis, Theory of Computation, Software Tools & Unix, Data Science in Practice, Intro to Web Development
- **Interests:** Web Development, UI/UX Design

PROJECTS

COVID-19 Policies vs. Economy Relationship - *Class Project* *November 2020*

- Collaborated with a team of 5 to research and determine the relationship between the economy and stringency of COVID-19 policies in California, Utah, and Nevada
- Utilized Python pandas and numPy to clean and organize datasets, and seaborn to create visualizations of the data and regression lines for ease of analysis

Whalebeing - *Technica* *October 2020*

- Collaborated with a team of 4 to create an interactive quiz that queries users about their current mental and physical state, generating a list of customized resources to help users improve their lifestyle based on individual responses
- Designed quiz results page using HTML and CSS with appropriate functionality to display custom list of resources

N-Gram Ranged Query - *Class Project* *February 2020*

- Constructed a custom HashMap class to parse through a directory of files to filter and generate n-grams and their counts, mapping them by year
- Utilized JFreeChart library to query users and display frequency of query across years

Text Activated Generator - *Summer Program* *August 2019 - September 2019*

- Trained machine learning classifier in Python to distinguish between two possible intents, generating a joke or photo based on the distance between user's query and each label cluster
- Implemented GUI using Python Tkinter for ease of user accessibility and to obtain user input.