Brandon Nguyen
SOFTWARE ENGINEER

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Education

University of California, Berkeley   *Berkeley, CA*
Bachelor of Arts in Data Science (GPA:3.49)   *Graduation Date: May 2022*
Bachelor of Arts in Economics (GPA:3.49)

Projects

Dino Game | *JavaScript, CSS, HTML5*   [Github](#)
- Recreated the infamous google chrome dinosaur game that's displayed when the user clicks any button.   San Jose, CA
- Implemented features such as run and jump by calculating the pixels of the current screen.
- Created a scoring tracker that displays the current high score of the player while keeping track of the previous high score.

To-do List | *JavaScript, CSS, HTML5*   [Github](#)
- Developed an organized to-do extension that allows users to create their task for the day.   San Jose, CA
- Implemented a progression bar that is updated every time the user completes, adds, or deletes their task.
- Utilize the local storage in order to keep and display user's task when refreshed or exited out of the extension.
- Created features such as delete, edit, new day, and calendar to make the user's experience more efficient.

Personal Portfolio | *JavaScript, CSS, HTML5*   [Github](#) | [Link](#)
- Developed a personal portfolio to display current projects and contact information.   San Jose, CA
- Worked with an email API to automatically send client's messages directly to my email inbox.
- Continuously updating and improving the design by refactoring older infrastructures and creating new ones.

Associations between Demo vs Repub | *Python, NumPy, Pandas, Regex*   [Notebook](#)
- Constructed multiple hypothesis testing and casual inference using many ML techniques such as linear regression, logistic regression, inverse propensity weighting, Bonferroni Correction, and Benjamini-Hochberg Guide to determine correlation and association between money raised and net operations vs the candidate's party.   Berkeley, CA
- Filtered and cleaned over 2,000 data inputs using NumPy, Pandas, and Regex also while controlling error rates in order to make sure the data is not biased.

Skills and Classes

- Python
- JavaScript
- Java
- React
- HTML
- CSS
- SQL
- R
- Data Structures and Algorithms
- Data Mining Analytics
- Principles of Data Science
- Data, Inference, and Decisions

Extra Curriculars

Data Science Society (DSS) – General Member
January 2020 – May 2020
- Learned essential Data Science techniques and tools such as Pandas and Numpy to conduct hypothesis testing.
- Built linear regression graphs to predict and prove association between variables and events.