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

Netflix Clone | *JavaScript, CSS, HTML5, React, Firebase* — Github | Link — San Jose, CA
- ❖ Recreated the front-end interface for the Netflix homepage, login page, and sign-up page.
- ❖ Fetched data from Themoviedb's API the to display and categorize each genre of movie into their specific location
- ❖ Incorporated Firebase to allow users to log into their Netflix account with protective authenticity.
- ❖ Created a Firestore database to keep track on users that signs-up/signs-in to the Netflix app and also tracks user's saved shows so that it can be displayed in their account page.

To-do List , Weather App | *JavaScript, CSS, HTML5, React* — Github | Link — San Jose, CA
- ❖ Created features such as delete, edit, and reset to allow the user to modify their task. Also used react hooks to store and change current states of the application.
- ❖ Implemented a progression bar that is updated every time the user completes, adds, or deletes their task.
- ❖ Utilize the local storage to keep and display user's task when refreshed or exited out of the extension.
- ❖ Used a weather API to fetch specific weather data to display on the weather app portion.

Personal Portfolio | *JavaScript, CSS, HTML5, React* — Github | Link — San Jose, CA
- ❖ Developed a personal portfolio to display current projects and contact information.
- ❖ 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 — Berkeley, CA
- ❖ Constructed multiple hypothesis testing using many ML techniques such as linear regression, logistic regression, Bonferroni Correction, and Benjamini-Hochberg Guide to determine correlation and association between money raised and net operations vs the candidate's party.
- ❖ Filtered and cleaned over 2,000 data inputs using NumPy, Pandas, and Regex

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.