William Harvey

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EDUCATION

University of California, Berkeley | B.A. in Data Science w/ Emphasis in Economics   Expected May 2023
- **GPA**: 3.7/4.0
- **Relevant Coursework**: Principles and Techniques of Data Science, Machine Learning Applications, Data Structures, Linear Algebra, The Structure and Interpretation of Computer Programs, Probability and Mathematical Statistics in Data Science
- **Activities**: *Treasurer*, Phi Gamma Delta; *Orientation Leader,* New Student Services

EXPERIENCE

Lair of the Golden Bear Camp Staffer   Jun. 2021 - Aug. 2021
Cal Alumni Association | Berkeley, CA

- Maintained a high standard of cleanliness in all areas of the camp while being an integral part of a 9-person crew responsible for daily cleanup of the camp and preparations for new guests.
- Demonstrated impeccable customer service skills while serving food along with upholding strict food safety and COVID-19 policies to provide a safe dining area.
- Collaborated with peers to create engaging show performances twice a week.

DoorDash Driver   Mar. 2020 - Aug. 2020
DoorDash | Newport Beach, CA
- Drove as a DoorDash driver during the COVID-19 pandemic, delivering food to families in need that could not leave the house due to the pandemic.
- Routinely exceeded expectations in both delivery time and customer service, finishing with an average difference in expected delivery time and actual delivery time that was lower than the national average and a customer satisfaction rating above the national average.

PROJECTS

Version Control System
Implemented key operations of the version-control system "Git" in the Java programming language (e.g., add, commit, reset, checkout).
- Created functionality to add, delete, restore, and move files across directories on a computer.
- Utilized a combination of data structures while accounting for asymptotic runtime complexity in a large program in Java.
- Mastered serialization and persistence in order to retain information in data structures.

Tower Defense Game
Created a tower defense game in the Python programming language based on the popular game "Plants Vs. Zombies".
- Deployed object-oriented programming in order to utilize inheritance among classes to vectorize code.
- Understood, extended, and tested a large program in Python.

COVID-19 Case Prediction Analysis
Extensive report based on selected features to predict number of cases in a state.
- Cleaned a data set of 3,000+ rows on vaccination status, mask usage, and COVID-19 cases per day.
- Created visualizations in the Seaborn library in order to select the most relevant features to train my model on.
- Utilized the Scikit-Learn library in order to train a logistic regression classifier to classify states with high COVID-19 case rates.

SKILLS

Languages and Software: Python, Java, R, Microsoft Office, SQL, Matplotlib, Seaborn, Pandas, Scikit-learn, Jupyter

Skills: Data cleaning, data manipulation, feature engineering, machine learning, data engineering, data visualization, statistical modeling