KENDAL ASPREC

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EDUCATION

University of California, Berkeley
Bachelor of Arts Statistics (Intended) - May 2020

Relevant Coursework: Data Structures and Algorithms, Web Design, Principles & Techniques of Data Science, The Structure and Interpretation of Computer Programs, Probability for Data Science, Linear Algebra and Differential Equations, Discrete Mathematics and Probability Theory, Introduction to Probability and Statistics, Calculus

PROJECTS

Fashare (SB Hacks IV) - https://github.com/kenasprec/Fashare · Jan 2018
- Built a web application that allows users to rent and borrow clothes from other users
- Designed both the UI and UX of the website, focusing on a user-centered design (UCD) approach
- Single-handedly translated the designs to front-end code using HTML, CSS, and JavaScript/jQuery
- Winner of AppFolio's "Best Use of Ruby on Rails" at SB Hacks IV

Shape (Cal Hacks 4.0) - https://github.com/kenasprec/Shape · Oct 2017
- Created a mobile application using PhoneGap that tracks daily intake of calories, fat, protein, etc
- Utilized Firebase NoSQL cloud database to store different foods and their nutritional values
- Applied Watson Visual Recognition to distinguish the different ingredients from a picture of food
- Updated user profiles and nutritional goals in real-time

Trump Twitter Analysis · Sep 2017 - Oct 2017
- Analyzed data regarding Trump's tweets using the Twitter API, Python, and SciPy
- Transformed data to spot trends, such as which words had the most median retweets
- Visualized data to find patterns, such as the time of day Trump tweets the most

Database · Feb 2017 - Mar 2017
- Constructed a relational database management system
- Accepted SQL commands using a custom-made SQL interpreter
- Used HashMaps, Array Lists, and Java without using the java.sql package

SKILLS

Proficient In: Python, Java, SQL, HTML, CSS, JavaScript
Familiar In: R, Scheme
Tools: NumPy, Pandas, Seaborn, Matplotlib, Jupyter Notebook, PostgreSQL, Apache Spark, Firebase, PhoneGap, jQuery, Node.js, Git, LaTeX

ACTIVITIES

Pilipino Association of Scientists, Architects & Engineers · · Aug 2016 - Current
Science Representative
- Assisted in organizing FASTERCON, a conference for students to connect with Filipino Americans in tech
- Arranged a 60+ person infosession with Gilead Sciences
- Created interactive science exhibits for hundreds of families at the Bay Area Science Festival

Cal Rotaract · Local Committee Co-Chair · Aug 2016 - Current
- Led a 40 member committee dedicated to providing service all over the Bay Area
- Planned and executed 10 community service events, both small and large scale