KENDAL ASPREC

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EDUCATION

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

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

SKILLS

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

PROJECTS

Shape (Cal Hacks)
Oct 2017 to Current
- 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 to 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 to 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

Scheme
Oct 2016 to Nov 2016
- Built a fully functional Scheme (Lisp) interpreter using Python
- Implemented small list operation programs using this Scheme interpreter

ACTIVITIES

Pilipino Association of Scientists, Architects & Engineers · Science Representative
Aug 2016 to Current
- 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 to 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