KENDAL ASPREC

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EDUCATION

University of California, Berkeley   **Expected Graduation: May 2020**
Bachelor of Arts: Statistics (Intended)
- Relevant Coursework: The Structure and Interpretation of Computer Programs, Data Structures and Algorithms, Discrete Mathematics and Probability Theory, Introduction to Probability and Statistics, Calculus
- Concurrent Coursework: Principles & Techniques of Data Science, Web Design, Linear Algebra and Differential Equations

PROJECTS

Shape (Cal Hacks) - https://github.com/kenasprec/Shape   **Oct 2017 – 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 – 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, ArrayLists, and Java without using the java.sql package

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

SKILLS

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

ACTIVITIES

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

Cal Rotaract   **Aug 2016 – Current**
Local Committee Co-Chair
- Led a 40-member committee dedicated to providing service all over the Bay Area
- Planned and executed 11 community service events, both small and large scale