

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, Linear Algebra and Differential Equations, Discrete Mathematics and Probability Theory, Introduction to Probability and Statistics, Calculus

Concurrent Coursework: Probability for Data Science, Ruby on Rails

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, Ruby, Scheme

Tools: Ruby On Rails, NumPy, Pandas, Seaborn, Matplotlib, Jupyter Notebook, PostgreSQL, Apache Spark, Firebase, PhoneGap, jQuery, Node.js, Git, LaTeX

ACTIVITIES

Pilipino Association of Scientists, Architects & Engineers · Science Representative

Aug 2016 -
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 - 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