# KENDAL ASPREC

## CONTACT

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## EDUCATION

### University of California, Berkeley

Bachelor of Arts Cognitive Science - May 2020

Coursework: Data Structures and Algorithms, Web Design, Ruby on Rails, Principles & Techniques of Data Science, Probability for 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

## SKILLS

**DATA SCIENCE:** SciPy, SQL, R, PostgreSQL, Apache Spark
**WEB DEVELOPMENT:** Ruby on Rails, Node.js, Express, React, jQuery, HTML, CSS, Firebase, PhoneGap
**GENERAL:** Java, Python, JavaScript

## EXPERIENCE

### Pilipino Association of Scientists, Architects & Engineers
External Vice President
Aug. 2016 to Current

- Organized FASTERCON, a 300+ person 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

## PROJECTS

### Lectern (LA Hacks 2018) · Mar. 2018
https://github.com/Krazete/lectern
- Developed a web application that provides a more intuitive lecture playback option
- Outlined the UI and UX of the website, and translated these views into code
- Harnessed Firebase to store users, video transcriptions, notes, and live discussions

### Fashare (SB Hacks IV) · Jan. 2018
https://github.com/kenasprec/Fashare
- Winner of AppFolio's "Best Use of Ruby on Rails" at SB Hacks IV
- 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

### Shape (Cal Hacks 4.0) · Oct. 2017
https://github.com/kenasprec/Shape
- 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 goals in real-time

### Trump Twitter Analysis · Sept. 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