KENDAL ASPREC

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EDUCATION

University of California, Berkeley

Intended: Bachelor of Arts Statistics 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

PROJECTS

Shape   Oct 2017 to Current

- Created an efficient, realistic mobile application for health and fitness
- Applied visual recognition to distinguish the different ingredients from a picture of food
- Utilized a NoSQL cloud databse to store different foods and their nutritional values
- Updated user profiles and nutritional goals in real-time

Twitter Analysis   Sep 2017 to Oct 2017

- Analyzed data regarding Trump's tweets using the Twitter API, Python, and data analysis packages
- Transformed data to spot trends, such as which words had the most median retweets

Database   Feb 2017 to Mar 2017

- Constructed a relational database management system from scratch
- Designed a SQL interpreter to interact with the database
- Used Java without using the java.sql package

Scheme   Oct 2016 to Nov 2016

- Built a fully functional Scheme interpreter using Python
- Implemented small programs using the Scheme interpreter

SKILLS

Proficient In: Python, Java, SQL, HTML, CSS, JavaScript, jQuery

Familiar In: R, C++, C#, Scheme

Frameworks, Packages, Etc: Firebase, PhoneGap, NumPy, Pandas, Seaborn, Matplotlib, Jupyter Notebook, GitHub, Node.js, Unity

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 large 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