Kunal Dutta

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EDUCATION

University of California, Berkeley August 2018 - May 2022
***Bachelor's of Arts, Computer Science; Minor in Data Science*|GPA: 3.55**
Relevant Coursework: Computational Structures in Data Science; Data Structures; Discrete Mathematics and Probability Theory

SKILLS

Languages: Python, HTML/CSS, Java, Scheme (Lisp dialect), SQL
Tools: Android Studio, Jupyter Notebook, Python Libraries (Pandas, DataScience), Microsoft Office/Google Drive
Applications: Data Analysis, Web Development, Linear Regression, Web Scraping, Social Media Bots

EXPERIENCE

UC Berkeley Electrical Engineering & Computer Sciences|Berkeley, CA
Academic Intern January 2019 - Present
- Assist lab sections in the Foundations of Data Science (CS C8) and Computational Structures (CS 88) courses.
- Tutor students through projects, focusing on statistical inference, data analysis, and code structure using Python/SQL.

Sports Analytics Group at Berkeley|Berkeley, CA
Data Journalist January 2019 - Present
- Publish articles about interesting trends in sports, supplemented by statistical analysis and data visualizations.
- Research trends via web scraping, using data-driven analysis to apply statistics in a sports context.

Branham High School|San Jose, CA
Associated Student Body Executive Treasurer April 2017 - June 2018
- Created and maintained budget of $40,000 for activities, including philanthropy, dances, pep rallies, and assemblies.
- Prepared monthly reports for the exec. officers on all account balances and receipts to distribute funds more effectively.
- Kept accurate profit and loss statements for all events, updating budget accordingly by analyzing financial history.

PROJECTS

NBA Analysis
Personal Project August 2019
- Used multiple regression to develop a model for predicting NBA draft position based on advanced box statistics.
- Uncovered trends about second-round draft picks to determine probability for career length, earnings, and overall impact.
- Tools Used: Python, Jupyter Notebook, Pandas, SKLearn, URLLib, MatPlotLib, DataScience

Privacy Guard
Hackathon Project November 2018
- Created a mobile app that senses magnetic fields to detect if a door is open or closed.
- App sends a GET request to browser extension that closes user's incognito tabs when door is detected to be open.
- Tools Used: Android Studio, Java, HTTP requests, Google Chrome browser extensions

Maps
School Project October 2018
- Developed visualization of restaurants in Berkeley, CA, using lazy machine learning and the Yelp academic dataset.
- Implemented least-squares linear regression and k-means algorithm to recommend restaurants to user based on preferences.

ABOUT ME

Other Activities: Cal Mic Men, Student Association for Applied Statistics, Best Buddies at Berkeley
Interests: Sports Analytics, Music Production, Basketball, Food Blogging