# Abhinav Bhaskar


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## Competencies

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|---|---|---|---|
| *Microsoft Office Suite* | *Python / R (Data Science)* | *Html5 / CSS3 / Javascript* | *Django / node.js / PHP* |
| *Advanced Excel* | *SQL / NoSQL (MongoDB)* | *d3.js / jQuery / leaflet.js* | *React.js / UI / UX* |
| *Data Analysis* | *Machine Learning* | *Innovative Leadership* | *Written / Oral Communication* |
| *Data Visualization* | *Business Analysis* | *Team Building* | *Creative Thinking* |

## Education

***University of California – Berkeley*** *2016 – 2020*

Pursuing Majors in Applied Mathematics and Data Science.

## Work Experience

***UC Berkeley Student Undergraduate Statistics Association*** *2017 – Present*

***Web Development Co-Director***

Currently the head of the SUSA Web development committee focused on redesigning the SUSA website at susa.berkeley.edu.

- Lead a team of 15 Berkeley Undergraduates on projects relating to Full Stack development with a Django backend.
- Create and contribute to informational blog posts relating to Web Development and Machine Learning.
- Facilitate a project where our members create their own personal website to practice the fundamentals of web development.
- Assist and collaborate with other committees in order to host web applications and informational material on our website.

***Data Science Consultant* (2018 Spring) - *Facebook Sponsored Data For Good Competition (Housing Crisis)***

Won 2nd place in a Data For Good Competition hosted by the University of Berkeley Center for Technology, Society, and Policy (CTSP Berkeley) and sponsored by Facebook, by evaluating and advising public policy directives for the California Housing Crisis and providing an interactive web application to help guide consumers who may be affected by the Housing Crisis

- Gathered and cleaned relevant and publicly available data in R and convert to GeoJsons / TopoJsons.
- Created a web application with leaflet.js, d3.js, ajax, jQuery, html/css to display data in an interactive map environment.
- Designed the application to primarily help people who have been forced to move due to the rising cost of living in California.
- Utilized publicly available data organized in census tracts to create a heat map based on user preferences to suggest possible areas of housing to look into as well as displaying relevant information by census tract (median house price, education quality, etc…).

***Data Science Consultant* (2017 Fall) - *Population Modeling Project***

Worked on a project to study and model the demographic transition of multiple countries including Korea and Costa Rica as well as utilize time series and machine learning techniques to predict population change.

- Part of a 3 person subgroup charged with creating a web app to display our findings using D3.js, JQuery and Bootstrap to read data from multiple CSV files and display information in a user friendly interactive plot centric layout.
- Integrated our web app into the SUSA website in order to collect user input on the interactive graphs and perform statistical analysis using D3.js and Python in a Django Framework.

***Functional Food Center***

***Web Development (Full Stack) and Design Intern*** *2018*

Full Stack Web Development intern for Functional Food Center, a pioneer in the functional food industry since 1998, which connects a global network of professionals to an environment conducive to innovative research collaboration.

- Assisted Dr. Danik Martirosyan, Ph.D, President of FFC with development of their website primarily using PHP and javascript.

***Open Learning Exchange (OLE)*** *2017*

***Software Engineering Intern***

General Software Engineer for a Massachusetts based startup focused on spreading education to underprivileged areas.

- Used Vagrant environments to provide support wherever needed to the Chief Technology Officer.

***Twitter Data Mining Project*** *2017 – Present*

- Utilized Tweepy API and Python libraries (pandas, matplotlib, re) in order to analyze and visualize Twitter usage among top social media influencers. Currently creating an interactive web application for users to analyze the twitter usage of any twitter user.
- Also currently working on implementing Natural Language Processing techniques (NLTK) in Python.

***Kaggle Titanic Dataset Project*** *2017*

- Analyzed a list of passengers aboard the Titanic and utilized categorical data in order to predict survivors using multiple factors such as age, family status and ticket class using python and R libraries such as pandas, matplotlib, ggplot2 with an emphasis on data visualization.