Claire Pang

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Skills

Programming languages:
- JavaScript (D3)
- R
- SQL (MySQL, PostgreSQL)
- Python
- Java
- HTML & CSS

Programming tools:
- Tableau
- Jupyter Notebooks
- RStudio
- WordPress

Education

University of San Francisco
B.S. Data Science
Expected graduation: Dec 2018
GPA: 3.93 / 4.0
Dean's Honor Roll, 2015-2018

Relevant coursework:
- Databases *(in progress)*
- Machine Learning
- Data Visualization
- Data Science with R
- Linear Regression
- Statistics with Applications
- Data Structures & Algorithms
- UX Design *(in progress)*

Women in Tech club member

Hillsdale High School
San Mateo, CA
Class of 2015
GPA: 4.23 / 4.0
Valedictorian

Work Experience

Data Visualization Researcher — *Univ. of San Francisco* AUG 2018 - PRESENT
Specific area of research: spatiotemporal visualization (topic modeling, clustering, anomaly detection). Current projects include reading research papers, writing a literature review, and implementing research projects.

Information Technology Intern — *SFO Airport* MAY 2018 - PRESENT
Assist Business Services team with data entry & management of the asset database, hardware/software procurement, and budgeting.

Practicum Intern — *Univ. of San Francisco* JAN 2018 - MAY 2018
Work with a SF nonprofit on data wrangling and analysis (in R) to understand SF parents' decision making of choosing public schools. Also created an interactive D3 dashboard to assist clients in understanding our findings.

Teaching Assistant — *Univ. of San Francisco* AUG 2017 - MAY 2018
Responsible for assisting professors through testing & debugging code, holding office hours, writing solutions, and grading assignments.
Courses: Data Science with R, Data Structures & Algorithms, Business Statistics

Projects

Support Vector Machines — *R*
https://cpang4.github.io/SVM/
Comparison, optimization, and evaluation of SVM classification on different datasets, and against random forest models.

Travel Map Visualization — *JavaScript*
https://cpang4.github.io/travelmap/
Using Google Maps API, visualize my past trips on a map with markers identifying restaurants/hotels/landmarks visited. Clicking on a marker opens a popup with pictures.

Spotify Top 200 Visualization — *JavaScript (D3)*
https://cpang4.github.io/spotify200/
Dashboard of Spotify Top 200 songs and streaming data. Allows users to view top songs from Jan-May 2018 and see a visualization of its popularity.

Skyscrapers Visualization — *JavaScript (D3)*
https://cpang4.github.io/cs360-finalproject/
An exploration of skyscrapers in the US and the world through several different visualization techniques using D3.

State of the Union Speech Text Mining — *R*
Using tidyverse and stringr packages, parse presidential speeches from 1790 – 2012 to create a data frame with a summary of word, sentence count, and other characteristics for each speech.