

## Experience

### Enterprise Systems & Applications @ USF - Salesforce Developer Fall 2016, Summer 2017

Full-stack development of USF's salesforce infrastructure. I built out features requested by faculty, fixed bugs and implemented javascript validation on all web forms. Beyond that, I wrote small scripts for our department with the intention to speed up productivity for everyday tasks, designed wireframes and prototypes, and tested/fixed usability bugs on the site.

### CAMUS GROUP - Data Visualization Expert/Curriculum Developer Spring 2016 - Summer 2016

Data storytelling consulting firm based out of San Francisco. Clients include Trifacta, Oblong, Diyotta and Ernst & Young. I served as the in-house subject matter expert for the development of a online Data Visualization 101 course. This course was taught to hundreds of EY analysts worldwide as part of EY global. My other duties included the creation of interactive demos in D3 to convey the impact visualization has in driving business decisions.

### UNIVERSITY OF SAN FRANCISCO - Teaching Assistant Spring 2017, Fall 2017 - Present

CS360 - Debugging and tutoring for 30+ students taking interactive data visualization. Course outcomes include data analysis through exploration using d3.js, tableau and minimal R.

CS315 - Tutoring, debugging, and interactive grading for ARM v7 assembly programming, C emulation and full CPU implementation. Driving principles of this course include code organization, quality and general technique.

### UNIVERSITY OF SAN FRANCISCO - Research Assistant Fall 2016 & Summer 2017

Professor Sophie Engle - I was a main contributor on a paper titled Do Defaults Matter? Evaluating the Effect of Defaults on User Preference for Multi-Class Scatterplots. The paper was accepted as a short paper at VINCI '17. I was flown out by USF to present the paper and discuss the impact and possibilities of our findings. See [vgl.cs.usfca.edu](http://vgl.cs.usfca.edu) for details.

Professor Candice Harrison - I worked on visually mapping out the findings of USF's director of African American studies research. The findings and visuals will be published in her book titled Democratizing the Market: Place, Power & Politics in Early Philadelphia.

## Specialties

Data Visualization  
Full-Stack Web Development  
Creative Coding  
Prototyping / Web Design

## Technical Skills

Java // Javascript // C  
NPM // Node // D3.js  
Git // React // HTML5  
Apex // ARM // Maven  
Bootstrap // CSS // jQuery  
Processing // P5.js

## Education

University of San Francisco  
B.S. in Computer Science  
Minor in Design  
Graduating May 2018

## Confs./Workshops

VINCI 2017  
Do Defaults Matter?  
Short paper presentation

Visualizing Data Workshop  
Andy Kirk  
2-Day Visualization Course

React + D3v4.0  
Swizec Teller & Freddy Rangel  
All day react + visualization