

Recent Projects

[Plocks](#) · [github](#) (June 2016 - present)

Interactive, responsive stock prices visualization app

- Applied Separation of Concerns to integrate D3 and React
- Cached stock data on Firebase to reduce number of API calls
- Used CSS animation for infinite sliding stock ticker
- Integrated OAuth-based Firebase authentication for user management
- Maximized screen space for chart interactions on different devices with React-Bootstrap grid system

[D3 Playground](#) · [github](#) (April 2016 - present)

Mini-projects using the D3.js data visualization library.

- Index-bound CSS sprites image tiles enables scrambling and restoration; animated quicksort algorithm to restore sliced image.
- Interactive state admissions timeline bound to US map generated with GeoJSON

Education

Coursera

July 2017 - Now

Specializations

- Applied Data Science in Python Specialization (Completed)
- DeepLearning.ai (In Progress)

Completed Courses

- Applied Machine Learning in Python
- Applied Text Mining in Python
- Neural Networks and Deep Learning

App Academy · San Francisco, CA

October 2015 – January 2016

MS Civil and Environmental Engineering · UC Berkeley

3.7 GPA

2014 – 2015

BA · Physics · Amherst College

3.5 GPA

2004 – 2008

Skills

Languages

Ruby
JavaScript
Python

Frameworks

Rails
React
Express

Libraries

React-Router webpack Flux D3
React-Bootstrap jQuery Immutable

Other

HTML5 CSS3 SQL
Heroku Git Octave

Experience

Science Teacher · IS 220 John J. Pershing

Brooklyn, NY 2008 - 2014

- Implemented educational technologies to engage students in achieving NY State Science learning standards at an under-served urban school
- Supported fellow teachers to use technologies in the classroom

