917 365 2313
guo.peida@gmail.com
San Francisco, CA

PEIDA KUO

EDUCATION

App Academy · San Francisco, CA

October 2015-January 2016

- Twelve-week immersive full stack web development course
- 80 hours/week of programming experience

MS Civil and Environmental Engineering · UC Berkeley

2014 - 2015 · 3.7 GPA

- Civil Infrastructures and the Environment
- Sustainable Transportation
- Energy Systems and Control
- Designs for Sustainable Communities

BA ·Physics · Amherst College

2004 – 2008 3.5 GPA

SKILLS

Ruby on Rails   JavaScript   jQuery   D3.js
HTML5/CSS3   git   SQL   React/Flux

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

RECENT PROJECTS

Full Stack
Plocks · github   **(June 2016 - present)**

Interactive stock charts app built with D3.js.

- Cached stock data with Redis to reduce API calls and latency.
- Implemented binary search to efficiently select data between start and end dates for graphing
- Delegated user management backend code to Firebase Auth and Google Sign-In (OAuth 2.0)
- Concealed BarChart API key behind a Rails backend with Figaro.

Front End
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

Full Stack
Scitwits · github   **(December 2015 - January 2016)**

Rails web app for people to explore and share their science endeavor.

- Ensured data rendering consistency with React/Flux
- Simulated real-time twits by long-polling with AJAX.

ONLINE CONTACT

linkedin.com/in/peida-kuo-824b5b54

github.com/peida2015

peidakuo.com