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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.com · 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

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