

Peter Liu

Rapid iteration, prototyping, experimental technologies for the web

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RECENT EXPERIENCE

Mapbox, San Francisco — R&D Engineer

SEPTEMBER 2014 - PRESENT

Work across the tech stack to push cutting-edge data visualization techniques, demonstrating platform's full potential

Adapt and extend existing technologies for novel products and industry-specific prototyping. Emphasis on speed, flexibility, and collaborating and borrowing widely as the use case requires

Grew a team from just self to six, mentoring and hiring junior engineers

UX/Data Vis Consultant, SF area

JUNE 2013 - PRESENT

Help early-stage companies convert high-level goals into minimum viable products and concrete objectives

Design, prototype and build dashboards and data analytics tools

Aquarium of the Bay, San Francisco — Designer

NOVEMBER 2011 - JUNE 2013

Maintain all design assets for the aquarium and associated nonprofit: building web functionality and CMS, exhibit signage and construction.

Overhauled visual identity and developed key messaging for communications department events: America's Cup, Shark Week, and major campaign for new river otters exhibit.

EDUCATION

UCLA — B.S. Psychobiology, B.A. Political Science

SEPTEMBER 2005 - JUNE 2009

Student researcher at Feldman lab, focusing on neurological control of respiration. Western blots, PCR, confocal microscopy

Science writer and illustrator at Daily Bruin

TOOLKIT

JavaScript front and back

D3 and **Three** for DOM and WebGL rendering, **Node** for data processing, **Turf** for geospatial analysis

MISCELLANEOUS

Presentations at code and geospatial conferences: JSConf, NACIS, SPUR, the Obama White House.

Work has appeared in Fast Company, CityLab, Wired.

Patent pending around novel spatial-temporal cartography

LANGUAGES

English, Cantonese (native), Spanish (conversant)