

Peter Liu

Rapid iteration, prototyping, experimental technologies for the web

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RECENT EXPERIENCE

Design and engineering consultant, *remote*

JUNE 2013 - PRESENT

Help companies convert high-level goals into shippable, concrete objectives, iterating rapidly on features and capabilities

Design, prototype, and build essential products and flows to test out concepts

Clients include New York Times, IDEO, Ike, SharedStreets

Mapbox, San Francisco — *R&D Engineer*

SEPTEMBER 2014 - SEPTEMBER 2019

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

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

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

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

MISC

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

Work has appeared in *Fast Company*, *The Atlantic*, *Wired*

Patent awarded for "Travel time mapping using isochrones" (#10480955)

LANGUAGES

English, Cantonese (native), Spanish (conversant)