

JARED TAN

SF | Software Engineer | 949-275-7566 | jared.e.tan@gmail.com

 JaredTan |  jared-e-tan |  www.jaredtan.tech

Skills / Awards

Software / Technologies: JavaScript, Ruby, React.js, React Native, Redux, Ruby on Rails, SQL (PostgreSQL), Node.js, MongoDB, Express.js, HTML5, CSS3, Git, CLI

1st Place SF FW 4.0 Disrupt Hackathon: Tech Lead - React Native tablet app that provides consumers fashion recommendations leveraging user meta-data obtained through Volare Wi-Fi API and QR codes.

Projects

Woven

React Native | Redux | MongoDB | Express.js | Node.js

iOS App Store: Allows two users to share a private digital space with instant messaging, interactive games, and more. (Aug 2017 - Present)

woven-app.com | github.com/JaredTan/Woven

- Orchestrated the mobile application's development architecture as lead developer among 5 engineers.
- Drove decision to use declarative React Native components and Redux for building front-end interfaces.
- Established instant messaging functionality using web sockets and Node.js non-blocking I/O.

Pinned

Ruby on Rails | React | Redux | PostgreSQL

Web app inspired by Pinterest allowing users to explore and share creative ideas with the world via pins and boards. (June 2017 - Present)

pinned.life | github.com/JaredTan/Pinned

- Designed server-sided search engine using PostgreSearch displaying articles based on user input.
- Implemented Masonry layout grids to optimize images based on available browser space for an elegant UI.

Colored Diffusion

JavaScript

2D visualization of colored droplet molecules in water. (July 2017)

coloreddiffusion.com | github.com/JaredTan/ColoredDiffusion

- Emulated particle physics and momentum conservation for an educational display of entropy in nature.

Work Experience

APP ACADEMY | SAN FRANCISCO, CA | 2017-PRESENT

PLACEMENTS TEACHING ASSISTANT

- Facilitate algorithms and data structures instruction; provide final project guidance to top bootcamp students.
- Support project and curriculum repos; contribute to teaching materials to ensure content fulfills learning goals.
- Guest lecturer on React Native, React.js, and mobile development.

DUPONT | PALO ALTO, CA | 2015-2016

RESEARCH ASSISTANT

- Valorized and filed patent for a Tide detergent enzyme recipe leading to a ~40% raw cost reduction.
- Designed and manipulated automated assays in Excel to test and analyze enzymatic activity.

JOINT BIOENERGY INSTITUTE | EMERYVILLE, CA | 2013-2015

UNDERGRADUATE RESEARCH ASSISTANT

- Co-authored publication for recycling in ethanol biofuel production in BioEnergy Research.
- Designed a technique for biomass pretreatment resulting in a ~99% sugar yield from raw biomass for biofuels.

Education

University of California, Berkeley - B.S. Chemical Biology, Bioengineering Minor | 2012 - 2016

Cal Club Golf: Co-Founder, Competitor.

Berkeley Engineers and Mentors (BEAM): Mentored elementary school students through simple science experiments.