

# Randall Ma

randall@randallma.com  
github.com/randallm

## Experience

Mixmax, Inc.  
*Engineering Intern*  
Summer 2017

Optimized infrastructure for scale and improved reliability of existing services.

- Profiled and improved internal messaging performance of Bull Queue under high load. Implemented Bull user interface for queue/job introspection (<http://mixmax.com/blog/introducing-bull-arena>).
- Built automatic update feature for customer-facing services using Redis Pub/Sub and WebSockets
- Added and maintained Salesforce API integrations inside Mixmax Chrome extension (React, JSForce)
- Ported email analytics backend from MongoDB to Elasticsearch
- Specced and built tool for exposing local instances of internal services to the public internet using ngrok

if(we), Inc.  
*Web Features Intern*  
Summer 2016

Developed and maintained new features in Tagged mobile app.

- Implemented Angular.js components from UI mockups with complex lifecycle hook integrations
- Migrated Tagged API endpoints from PHP to Node.js, added browser caching through HTTP ETag headers
- Won company hackathon by UI mockups and functional iOS demo (Swift) for restaurant search iMessage app

Poll Everywhere, Inc.  
*Engineering Intern*  
Summer 2014  
Spring – Summer 2015

Developed, packaged, and released the iOS/Android Poll Everywhere app.

- Implemented native device event support (notifications, network connectivity handling) in Backbone.js-powered mobile app
- Implemented modular views/models (login, poll creation/selection) in Poll Everywhere mobile app for reuse in other projects
- Ported asset management system from Sprockets (Ruby) to Mincer (Node.js), with sourcemaps support
- Packaged mobile app using Apache Cordova, automated build/test/package management using Rake and Bamboo CI

## Projects

schem.in  
2017 –

Building a React-based tool to visualize and animate music lyrics.  
<https://github.com/randallm/schem.in>

PledgeHub  
2013 – 2014

Built and operated profitable Kickstarter clone with automated email newsletters, administrative control panel, and campaign landing pages (Django/Mandrill/Balanced Payments). Sold company to local K12 education non-profit, used to process thousands of dollars in donations.

## Education

UC Berkeley  
2015 – present

Pursuing B.A. in Computer Science (expected May 2019 graduation)

Relevant coursework: Algorithms, Data Structures, Artificial Intelligence, Internet Architecture & Protocols (ongoing), Security (ongoing)

## Skills

Strong

Node.js, Express, JavaScript, Python, Django, React, Babel/ES.Next, Backbone.js, UNIX, Git, HTML, CSS, Salesforce API (SOQL/SOSL)

Proficient

Elasticsearch, AWS (API/IAMs), SQL, Angular.js, Java/Android SDK