

# KRISTINE LAI

Full Stack Web Developer



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Portfolio: [screamingmunch.github.io/](https://screamingmunch.github.io/)



[github.com/screamingmunch](https://github.com/screamingmunch)



[linkedin.com/in/laikristine/](https://linkedin.com/in/laikristine/)

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## TECHNICAL SKILLS

**Languages / Frameworks:** Ruby, Rails, Sinatra, RSpec, HTML, CSS, JavaScript, CoffeeScript, JQuery

**Databases / Document Management:** SQL, PostgreSQL, Github Pull Request workflow, Amazon S3

**Other:** Underscore.js, Google Maps API, Twitter and Facebook Omniauth API, pair-programming, agile scrum

*\*limited experience with: Backbone.js, Node.js, Mocha, Chai*

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## EXPERIENCE

### **Web Development Immersive**

**General Assembly** | San Francisco, CA | Fall 2013

Completed a 12-week, project-based full-time web development training program aimed at providing its graduating students with a full-stack web development skill-set.

**Project1:** [thirty5studio](#) A solo project built for a camera rental website. Users are able to submit booking requests and browse through available gear. It is built from the ground-up utilizing Ruby on Rails with devise for authentication. The gallery page uses isotope for animated responsive display; the app uses Mailgun via Action Mailer with an SMTP adapter to send email notifications to the users.

**Project2:** [Defaced](#) Built by a team of four students. This is a geolocation-based mobile-friendly web app built on Rails that allows users to share photos of street art onto a map. We used the Google Maps API, Omniauth, Carrierwave & Fog gems to upload and store photos on Amazon S3. This was our first time playing with branching and merging on GitHub. Each pull request was reviewed by at least two team members prior to merging. Aside from pair-programming on key tasks, our team also incorporated a daily scrum meeting to keep the project on time.

**Project3:** [field\\_inspector](#) A solo project I'm currently building using Ruby on Rails. The final version of the app will allow users to conduct construction site inspections using their mobile devices. The app will provide checklists and input fields for photo documentation (stored on Amazon S3). It also automatically scrapes NOAA's website using Nokogiri for latest forecasts based on the device's GPS coordinates.

### **Project Engineer**

**BKF Engineers** | Redwood City, CA | November 2005 - May 2013

Worked as a licensed Professional Civil Engineer in the land development consulting field. I have many years of experience in project coordination, supervising interns, and delivering projects under tight deadlines to meet the client's needs. Performed engineering duties such as hydrologic studies, hydraulic designs, pump station design and construction supervision. Collaborated with reviewing agencies and different consultants to obtain construction permits.

### **Environmental Engineer**

**Golder Associates** | Irvine, CA | August - November 2005

Conducted Phase I & II environmental site assessments in field, authored Stormwater Pollution Prevention Plans (SWPPP) and Spill Prevention, Control, & Countermeasure (SPCC) plans for clients.

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## EDUCATION

General Assembly - Web Development Immersive Program

San Jose State University - MS, Civil Engineering with specialization in Water Resources Engineering (4.0 GPA)

University of California, Irvine - BS, Civil Engineering Major with Digital Arts Minor