Matthew Lao

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LinkedIn: linkedin.com/in/laomatt   **GitHub:** github.com/laomatt   **Portfolio:** laomatt.github.io

LANGUAGES AND TECHNOLOGIES

- **Proficient:** Ruby, Rails, JavaScript, jQuery, AJAX, SQL, MySQL, AWS (S3, SQS, SNS), Firebase, HTML5, CSS3, Sass, HAML, Git, Bash Shell Scripting, TDD, RSpec, Handlebars.js, Sinatra, PDFLib, Backbone.js, Factory_Girl
- **Exposure:** Java, Android SDK, Python, PHP, AngularJS, Konva.js, MongoDB, MATLAB, XML, Capybara

PROFESSIONAL EXPERIENCE

Corefact Corporation | Full-Stack Software Engineer | Hayward, CA   2015 - Present

- Generated 600+ active users in < 1 week after launch through constructing ListAssist, a CMS for real estate agents to develop single property listing pages, utilizing Ruby on Rails, JavaScript and jQuery.
- Improved time for agents to launch housing sites by 1.5X with enhancements to UI/UX of marketing tool with HTML5, CSS3 and Sass to eliminate unnecessary page navigation.
- Reduced page load speed by >25% through optimizing queries to MySQL DB on Ruby on Rails RESTful API.
- Followed TDD to achieve 75% coverage of ListAssist codebase writing 25+ unit tests in RSpec and Factory_Girl.
- Saved company ~$275,000 annually by developing optimization tools to streamline warehouse processes of receiving and shipping orders by 20% using Easypost API integrated into Ruby on Rails backend.
- Mentored 2 software engineer interns through performing code reviews, QA and teaching agile best practices.
- Developed jQuery library for slide down functionality and looping through arrays with specific namespace variable which resulted in ~30% reduction of front-end JavaScript codebase.
- Wrote Git specific shell scripts to conform to branching naming conventions and commit message structure.

City College of San Francisco | Web Developer | San Francisco, CA   2014 - 2014

- Constructed information website and layout with HTML, CSS and JavaScript for fashion design department including course listings, faculty bios, and runway show scheduling.

Rockstar Learning | UI Designer | San Francisco, CA   2012 - 2013

- Designed 100+ unique UI components for over 19 iOS mobile teaching applications using Adobe Photoshop.

RECENT PROJECTS

Daily Quicks | Software Engineer | live | code   2016

Skill building tool for artists to hone their technique through quick studies by providing reference images in sets of poses.

- Constructed front-end presentation of images utilizing jQuery and Backbone for a customizable slideshow.
- Engineered serverside management of slides with cloud AWS S3 storage and Sidekiq for picture upload.
- Designed UI/UX for slideshow drawing experience with picture randomization enabled with Ruby and AJAX.

Dinner Winner | Software Engineer | live | code   2015

Advertising platform for local restaurants to directly connect with their patrons through special meal deals and offerings.

- Built matching algorithm in Ruby to associate patrons and restaurants through deals and area/zip codes.
- Incorporated Yelp API into Rails server to display restaurants based on geolocation and pricing options.

DropBlox | Software Engineer | live | code   2015

"Tetris-style" in-browser arcade game where players match consecutive numbers to form chains to eliminate blocks.

- Utilized JavaScript OOP best practices to develop game logic, animations and score keeping functionality.

EDUCATION
City College of San Francisco, *Android Application Certification*   2014
Academy of Art University, *B.A. Illustration*   2010
University of California, Davis, *B.A. Math*   2008

VOLUNTEER WORK
Girl Develop It, *Software Engineer*   2015