

JONATHAN LAI

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EDUCATION

University of California, Berkeley
2012 - 2016 (expected)
B.S. Electrical Engineering
and Computer Science, GPA: 3.3

SKILLS

HTML/CSS
Javascript
Python
Java
Ruby
Git
Arduino

FRAMEWORKS

Backbone
Require
React
Rails
Node.js

COURSEWORK

Data Structures
Efficient Algorithms and
Intractable Problems
Software Engineering
User Interface Design (enrolled)
Internet Architecture and
Protocols (enrolled)

LINKS

[linkedin.com/in/jonathanllai](https://www.linkedin.com/in/jonathanllai)
github.com/jonlai
hackster.io/jonlai
jonlai.com

EXPERIENCE

Etsy, Frontend Infrastructure Intern

June 2015 - August 2015

- ▶ **Refactored the asset pipeline & parallelized the internationalization step**
 - Consolidated state and removed all circular dependencies, then broke up internationalization into parallelizable atomic tasks, improving performance by 30%.
- ▶ **Rewrote the frontend for Hound, Etsy's open-source code search engine**
 - Replaced its monolithic React UI with modular components adhering to React's guidelines, and provided an option to search by simple match instead of regex.
- ▶ **Co-developed infrastructure for the latest styleguide, automatically compiled from Markdown on file change**
 - Worked with designers to implement customization and automation features to simplify maintenance.

June 2014 - August 2014

- ▶ **Systematically filtered through Etsy's codebase to document sprite usage**
 - Used regex queries to find background CSS properties in classes, and pinpointed exact sprites in each file's spritesheet to assist in deletion
- ▶ **Authored a new frontend for Ranger, a visualization of asset dependencies**
 - Displayed a file's dependendants in addition to the sprite usage above. Also included an interface to search through the contents of a file and its dependants.
- ▶ **Provided a Chrome extension that hooked into Ranger**
 - The extension monitored the user's active tab, and for each loaded asset displayed its Ranger information in the console.

uGuru.me, Web Developer

September 2013 - November 2013

- ▶ Redesigned and created a responsive frontend for the tutoring startup
- ▶ Implemented asynchronous form verification for user login & settings

Rockbot, Engineering Intern

May 2013 - August 2013

- ▶ **Created a web display for current song information at a location**
 - The display reflects user interaction with a business's playlist from Rockbot's social jukebox app.

PROJECTS

Russell (hackster.io/jonlai/russell)

- ▶ An explorer sash that displays 8x8 geographical badges drawn by others via an accompanying iOS app. The wearer collects and displays new badges throughout his or her journey.

Jack (hackster.io/jonlai/jack)

- ▶ A crowd-shared Ripstik that broadcasts its location the less it is used by its current rider. A web app shows Jack's locational breadcrumbs to others.