JONATHAN LAI

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EDUCATION

University of California, Berkeley
2012 - 2016 (expected)
B.S. Electrical Engineering
and Computer Science, GPA: 3.33

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

github.com/jonlai

hackster.io/jonlai

jonlai.com

EXPERIENCE

Etsy, Frontend Infrastructure Intern
June 2015 - August 2015
- ► **Refactored Etsy's asset pipeline, and parallelized the translation step**
  - ○ Consolidated its state and removed any circular dependencies, then broke up translations 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 maintenence.

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/4847/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/4266/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.