

EDUCATION

University of Southern California

Master of Science (M.S.), Computer Science – May 2014

USC Information Sciences Institute

Directed Research in Machine Learning – May 2013

SKILLS

Languages – JavaScript (***) – Java (**) – HTML5 (***) – CSS (***) – C++ (*) – Python (*)

Frameworks – AngularJS (***) – React (*) – Node.js (**) – Spring (**) – Rails (*) – Git (***) – Jasmine (**) –

EXPERIENCE

Software Engineer Full Stack at Ensignten – San Jose, California

Summer 2014 - Current

- Wireframed, and developed front end code, with a three-tier testing framework for various projects.
- Deployed git flow, continuous integration & coding standards that were replicated across other teams.

User Experience Intern at Ontopic– Venice Beach, California

Spring 2014

- Built responsive, touch enabled and industry standard user experiences for consuming news feed.

Summer Intern at Walmart Information Systems Division – Bentonville, Arkansas

Summer 2013

- Reported risks and drove decisions to deploy public mobile apps, on the internal app store for BYOD devices.

PROJECTS

Construct JavaScript Regular Expressions from structured Natural Language (Hackathon Winner)

- Built a client-side app in 3 days that suggests and converts natural language into JS regex.
- Used a Context Free Grammar, Deterministic Finite Automata and the Shunting Yard Algorithm.
- Awarded the best hack prize among 7 other hacks at Xsighten 1.1 (Ensignten's Internal Hack fest)

Micro Movements of Related Web Elements on the Client Side (Firebug Extension)

- Built a DOM crawler to detect elements positionally dependent on a seed element on a web page.
- Aided pixel perfect web design by allowing tweaking of CSS box model attributes of dependent elements.

Color Segmentation using a Multi-Layer Decision Tree Classification for Sophisticated Color Values

- Developed an image processing research system that cycles WEKA machine learning algorithms.
- Reduced time to experiment with supporting modules for image disintegration, rebuilding, and reporting.

Rediscover Indian Classical Music @ CodeforIndia Hackathon at Google HQ (Hackathon Winner)

- Built a website in 20 hours using HTML5 Web Audio API and the SoundCloud API for beats, and saving.
- Awarded most usable product / best UI prize among 50 other hacks.

School Club Website Redesign @ Association of Indian Students USC

- Led, and deployed the redesign of the website at USC, resolving several operational bottlenecks.
- Built a matching algorithm that reduced temporary housing matching from several minutes to a few seconds.