SAM HOPKINS

www.shopkins.xyz | sahopkins93@gmail.com | (408) 348-8366

github.com/samuelhopkins

EDUCATION

The University of Chicago, Chicago, IL   September 2012 - Present

Bachelor of Science in Computer Science – June 2016

- **NCAA Athlete – Wrestling** 2012-2014

WORK EXPERIENCE

Software Developer Intern: BuildZoom   Jan 2016 – Present

- I Implement new user features, refactor existing code and database schemas to emphasize performance and clarity and fix production bugs.

Full Stack Developer: Capria Solutions   Sep 2015 – Dec 2015

- Designed and implemented a content management system and blog for a Node.js app. Rebuilt www.capriasolutions.com and increased mobile friendliness of the site by over 30% to 95% total.

Software Engineer Intern: Belvedere Trading LLC   Jun 2015 – Aug 2015

- Built and certified a market data gateway in C/C++ for the NASDAQ that provided a 20% reduction in latency from the previous third party solution. Designed and implemented a browser based GUI to visualize and solve trader connections in critical periods.

Full Stack Developer Intern: Lumii Health   Mar 2015 – Jun 2015

- Implemented functionality within a Rails application to retrieve dynamic health insurance pricing data from the Healthcare.gov API. Wrote unit tests in RSpec to ensure database reliability.

PROJECTS

Uchicago Classes Beta: *Node.js/Express, Jade, Angular.js, MySQL*

- A single page app that improves on the official UChicago classes search portal by eliminating page loads and providing optionality to filter by department and class time. Includes a schedule visualizer to aid in class schedule creation. Supported over 300 users in the first week of deployment.

BeatsByAndrey.com: *Django, Python, Postges*

- A Markov chain generator app for lyrics. The back end utilizes a multi-threaaded web scraper that dynamically sources data from Genius.com. Variable artist selection and Markov chain order allow for customizable pseudorandom lyric generation inspired by your favorite artist.

XFit Utility: *iOS SDK, Swift 2*

- An iOS app for CrossFit athletes. Includes an interval timer and progressive weight graphing for distinct lifts.

TOOLS

Programming Languages: Python, Ruby, C/C++, JavaScript/JQuery, Swift, SQL

Web Framework: Ruby on Rails, Node.js/Express, Django, Angular.js, Bootstrap

Web Services: Heroku, AWS Elastic Beanstalk, Github Pages