Alex Yang

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Education

- **University of California San Diego** — La Jolla, CA
  Bachelor of Science in Computer Science — *Fall 2010 - Present*
  - Expected Graduation: Spring 2015, Upper-Division GPA: ∼3.3, Provost Honors Winter & Spring 2014

Skills

- **Languages:** **Java**, **JavaScript**, PHP, SQL, HTML5, CSS3/SASS, C, C++, Python, Ruby, LaTeX, SPARC

- **Technologies:** AngularJS, NodeJS, JQuery, Spring, Symfony2, Ruby on Rails, MySQL, MongoDB, Git/GitHub/Stash, Bower, Yeoman, Grunt/Gulp, Jira/Trello, Slack/HipChat, Vagrant, Heroku, Travis, UNIX, Regex

- **Miscellaneous:** Object-Oriented Design, Data Structures, Algorithm Design, Web Development, Computer Security, Agile Methodologies, Test-Driven Development, MVC Architecture

Experience

- **CBS Interactive, Inc.** — San Francisco, CA
  Software Engineering Intern — *Jun. 2014 - September 2014*
  - Worked with engineering team to implement an ad-targeting system and front-facing API, which analyzed user data and used returned insights to retrieve, sort, and display suggested assets on CNET, TechRepublic, and ZDNet.
  - Created an integrated ad unit shared Symfony bundle, used to prompt users to update profiles, answer questions and validate requirements before serving downloads.

- **UCSD Geisel Programming Department** — La Jolla, CA
  Applications Unit Programmer — *Nov. 2013 - Jun. 2014*
  - Developed web application to display/analyze data harvested from Instagram, via Ruby on Rails and Instagram API.
  - Assisted in testing and debugging of the Library Digital Online Collections, with use of the Rspec testing framework.

- **EasyConnex, LLC.** — San Mateo, CA
  Software Development Intern — *Jun. 2013 - Oct. 2013*
  - Assisted in delivery of a *SaaS* application allowing consumers to create personalized web page marketing campaigns.
  - Re-platformed application from Symfony/JQuery to AngularJS, drastically improving performance and maintainability.

- **ISS EarthKAM** — La Jolla, CA
  Software Development Intern — *Mar. 2013 - Jul. 2013*
  - Implemented front-end functionality of EarthKAM website, mapping pictures taken from the International Space Station onto Google Earth using the Google Earth API.
  - Queried data from a PostgreSQL database, and processed results to display filtered information to users via PHP.

Selected Projects

- **Rivr** — JavaScript
  Real-time Music Streaming — *Hackathon Project*
  - Broadcasted music from a Spotify playlist to multiple clients from an Icecast radio server, via HTML5 Web Audio.
  - Implemented core functionalities, such as search and ability for users to push songs to the stream, leveraging the Spotify API and long-polling to obtain track metadata.

- **FlunkLess** — JavaScript
  Chat Client — *Open Source Project*
  - Enabled connected clients to join public/private rooms, send messages, view chat history, and receive notifications, with real-time client/server interaction through HTML5 WebSockets and the Socket.IO library.
  - Built server-side logic with NodeJS, front-facing interaction in AngularJS, and data storage/retrieval with MongoDB.

- **BuyBox** — Ruby on Rails
  Web E-commerce — *Open Source Project*
  - Web platform for users to upload, purchase, and sell products, including features such as product search/filtering, drag-and-drop image upload, persisted user profiles, OAuth 2-factor authentication, and user reviews.
  - Partnered in user-interface design and implementation; contributed to content, navigation, and front-end interactivity.