

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, Provost Honors Winter & Spring 2014

Skills

- **Languages:** Javascript, Java, HTML, CSS, PHP, SQL, C, C++, Python, Ruby, L^AT_EX, SPARC
- **Technologies:** AngularJS, NodeJS, JQuery, Symfony2, Ruby on Rails, Spring, MySQL/PostgreSQL, MongoDB, SASS/LESS, Bower, Yeoman, Grunt/Gulp, Git, Jira/Stash/HipChat, Vagrant, Heroku, GDB, UNIX, Mac OSX, Regex
- **Miscellaneous:** Object-Oriented Design, Data Structures, Algorithm Design, Web Development, Computer Security, Operating Systems, Agile Methodologies, Test-Driven Development, Debugging/Troubleshooting/Communication Skills

Experience

- **CBS Interactive, Inc.** San Francisco, CA
Software Engineering Intern Jun. 2014 - Present
 - Worked with the Lead Generations Engineering team to design and implement enhancements in an internal tool to analyze user data, processing returned insights to display targeted resources on CNET, TechRepublic, and ZDNet.
 - Re-designed integrated ad unit functionality, used to prompt users to update profiles, answer questions and validate requirements before serving assets.
- **UCSD Geisel Programming Department** La Jolla, CA
Applications Unit Programmer Nov. 2013 - Present
 - Developed responsive web application to display user data harvested from Instagram, via the Ruby on Rails web framework and Instagram API.
 - Assisted in testing and debugging of the Library Digital Online Collections, with use 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 online marketing campaigns.
 - Re-platformed product to a AngularJS/Symfony hybrid, drastically improving overall usability and page render times.
- **ISS EarthKAM** La Jolla, CA
Software Development Intern Mar. 2013 - Jul. 2013
 - Designed/implemented user interface, displaying pictures taken from the International Space Station onto Google Earth.
 - Wrote complex queries and processed data from a PostgreSQL database to display information to users via PHP.

Selected Projects

- **Rivr** Javascript
Real-time Music Streaming Jul. 2014
 - Features real-time music streaming to multiple clients from an Icecast radio server, via HTML5 Web Audio.
 - Architected search functionality and ability for users to push songs to the stream, leveraging the Spotify API and long-polling to obtain track metadata.
- **FlunkLess** Javascript
Academic Chat Mar. 2014 - Jun. 2014
 - Allows 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 Sept. 2012 - Dec. 2012
 - 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.