

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, Computer Security, Operating Systems, Agile Methodologies, MVC Architecture, Test-Driven Development, Excellent 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 several internet properties receiving millions of unique visits each month.
 - Assisted in development of an internal tool to analyze user data, using returned insights to display targeted assets.
 - Re-designed user registration gating system as a shared Symfony bundle, used in both TechRepublic and ZDNet.
- **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.