

# Alex Yang

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aly006.github.io

## 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: 3.267, Provost Honors Winter & Spring 2014

## Skills

- **Languages:** Javascript, Java, C, C++, HTML, CSS, PHP, SQL, Python, Ruby, L<sup>A</sup>T<sub>E</sub>X, SPARC
- **Technologies:** AngularJS, NodeJS, JQuery, Ruby on Rails, Symphony2, 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
  - Responsibilities included hardware and software installations, network troubleshooting, and user support.
  - Designed and implemented a plugin architecture for the Sudo privilege delegation utility to support third-party policy and logging modules.
- **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.
  - Responsibilities also included development and maintenance of Sudo including release engineering.
- **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/Symphony hybrid, drastically improving overall usability and page render times.
  - Lead extensive testing, debugging, and documentation resulting in resolution of over 60 percent of existing defects.
- **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.
- **E3Retail** La Jolla, CA  
*Software Quality Assurance Intern* Oct. 2012 - Mar. 2013
  - Regression, defect, and usability testing for programs updated during weekly builds such as OMT (Offer Management Tool for Best-Buy) and TouchPointPOS (POS kiosk software), used by millions of users.

## Selected Projects

- **FlunkLess** Javascript  
*Academic Chat Application* 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 with AngularJS, and MongoDB data storage/retrieval.
- **BuyBox** Ruby on Rails  
*E-commerce Web Application* 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.