

# Alex Yang

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aly006.github.io (website)

## Education

- **University of California San Diego** La Jolla, CA  
*Bachelor of Science in Computer Science (expected Spring 2015)* Fall 2010 - Present
  - Upper-Division GPA: ~3.3, Provost Honors Winter & Spring 2014
  - **Key Courses:** Object-Oriented Development, Data Structures, Algorithm Design & Analysis, Database System Principles, Computer Security, Operating Systems, Server-side Web Applications, Ubiquitous Computing

## Experience

- **Chen Lab for BioNanomaterials, Bioprinting & Tissue Engineering** San Diego, CA  
*Undergraduate Research/Software Developer* Oct. 2014 - Present
  - Created an application in Go to operate a 3D-printing system through the browser. (WIP)
- **CBS Interactive, Inc.** San Francisco, CA  
*Software Engineering Intern* Jun. 2014 - September 2014
  - Worked with engineering team to develop lead-targeting system and API in Java/Spring MVC.
  - Implemented enhancements to user profile analysis and filtering system, using returned insights to retrieve, sort, and display suggested assets on CNET, TechRepublic, and ZDNet.
- **UCSD Geisel Programming Department** San Diego, CA  
*Applications Unit Programmer* Nov. 2013 - Jun. 2014 & Oct. 2014 - Present
  - Developed application to display/analyze data harvested from Instagram, via Ruby on Rails.
  - 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
  - Built client-side of a *SaaS* application allowing businesses to create personalized marketing campaigns.
  - Re-platformed application from Symfony/JQuery to AngularJS, drastically improving performance and maintainability.
- **ISS EarthKAM** San Diego, CA  
*Software Development Intern* Mar. 2013 - Jul. 2013
  - Queried data from a PostgreSQL database, and processed/filtered results to display to users via PHP.
  - Used JQuery to implement front-end functionality of application, mapping photos from the ISS to Google Earth.
- **E3Retail** San Diego, CA  
*Software Quality Assurance Intern* Oct. 2012 - Mar. 2013
  - Performed regression, integration, and usability testing of enterprise applications for large retail customers, such as OMT (Offer Management Tool for Best-Buy) and TouchPointPOS (POS kiosk software), used by millions of users.

## Skills

- **Languages:** Java, JavaScript, SQL, HTML5, CSS3/SASS, PHP, Go, C, C++, Python, Ruby, L<sup>A</sup>T<sub>E</sub>X
- **Technologies:** AngularJS, Node.js, JQuery, Spring MVC, Symfony, Ruby on Rails, MySQL, MongoDB, Git/GitHub/Stash, Bower, Yeoman, Grunt/Gulp, Jira/Trello, Slack/HipChat, Vagrant, Heroku, Travis, UNIX, Regex

## Selected Projects ([github.com/aly006](https://github.com/aly006))

- **Rivr:** Created music streaming application to broadcast a Spotify playlist to multiple clients from an Icecast radio server, via HTML5 Web Audio. Implemented core functionalities such as search, queueing songs, and obtaining track metadata.
- **FlunkLess:** Used WebSockets and Angular/NodeJS to implement chat client, enabling connected clients to join public/private rooms, send messages, view chat history, and receive notifications with real-time client/server interaction.
- **BuyBox:** Developed e-commerce 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.