

# Roger Zou

---

49 Quincy Mail Center, Cambridge, MA 02138  
925-895-6108 • rzou@college.harvard.edu • github: rogergzou

---

## Education

- **Harvard University** • B.A. in Computer Science **Cambridge, MA**  
*Expected May 2017*  
**Relevant Coursework** Data Structures & Algorithms, Operating Systems, Data Science, Systems, Linear Algebra, Game Theory, Probability
- 

## Experience

- **Square** **San Francisco, CA**  
*May 2016 – August 2016*  
*Software Engineering Intern, KPCB Engineering Fellow*
    - Added Square Register custom passcodes via a dynamic UI with asynchronous live validation.
    - Set up new passcode API endpoints, refactored the employee model to accommodate custom passcodes.
    - Wrote location filter for displaying merchant employees. Revamped employee reactivation flow.
    - Implemented new clock in/out flow for employees on the Square Register iOS app to show shift duration.
  - **Google** **Los Angeles, CA**  
*May 2015 – August 2015*  
*Software Engineering Intern*
    - Developed an unreleased new way to share videos. Designed its UI, modified internal Google libraries for compatibility with YouTube iOS app, and implemented a fully functional prototype.
    - Brought YouTube Messenger's conversation list from bare bones to polished and ready to launch. Refactored tests. Done in Objective-C and Python.
    - Participated in UI design decisions with the UX team and our PM.
  - **Harvard Computer Society** **Cambridge, MA**  
*December 2013 – December 2015*  
*President, Technical Director, Social Chair*
    - Did emergency maintenance on login, web servers and mailing lists supporting thousands of students. Debugged NFS lock and cache invalidation issues, infinite email loops, IP routing tables.
    - Fixed critical errors with users' Content Management Systems (Wordpress, ExpressionEngine) and permissions on web files among hundreds of other resolved tickets.
    - Organized UNIX bootcamp for beginner programmers; taught web development bootcamp for IDHack hackathon.
  - **HackHarvard** **Cambridge, MA**  
*February 2015 – Present*  
*Cofounder, Director*
    - Led outreach for inaugural HackHarvard hackathon via social media, email, and partnerships with other hackathons, netting 3500+ applications.
  - **Harvard Yearbook Publications** **Cambridge, MA**  
*September 2013 – Present*  
*Layout Board, Business Board*
    - Designed state-of-the-art layout for special events section of the award-winning 378 Yearbook
    - Created minimalist, stylistic parent ads. Adjusted brightness, contrast, hue/saturation of portraits.
    - Used Adobe Photoshop, Indesign and Jostens YearTech.
- 

## Personal Projects

- **Track Today**  
*iPhone App, available in the App Store: [goo.gl/d0QsLc](http://goo.gl/d0QsLc)*
    - Implemented time tracker that logs activities to the calendar with minimal user effort.
    - Developed customizable categories that aggregate events for analysis in a sortable and exportable activity log.
    - Created optional reminders via local notifications to prevent forgetfulness.
  - **Harvard Course Analytics**  
*"Analyzing the Q Guide": [medium.com/@lbaotic/analyzing-the-harvard-q-guide-1ba02948819](http://medium.com/@lbaotic/analyzing-the-harvard-q-guide-1ba02948819)*
    - Scraped, parsed, standardized, and statistically analyzed data from 18,900 courses between 2006 and 2015.
  - **Save**  
*Personal Finance*
    - Interactive webapp that records, budgets user finances. Info is stored, encrypted with a MySQL database.
    - User accounts are verified by email and users can export their data to Dropbox.
    - Uses Javascript to graphically display spending over time and HTML, CSS to render the rest of site.
- 

## Technical Skills

**Languages:** Objective-C, Python, Ruby, Javascript, Coffeescript, C, OCaml, HTML/CSS, PHP, EMCAScript, SQL  
**Other Technologies:** Ruby on Rails, Ember.js, Cocoa Touch, MySQL, Postfix  
**Experience with:** Git, Linux/Unix, Vim, L<sup>A</sup>T<sub>E</sub>X, Wordpress