

# Peter Zhang

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## 🎓 education



**University of Southern California**  
**B.S. Computer Science and Business Admin**  
Expected May 2015 / GPA: 3.80

**courses** Algorithms, Discrete Maths, Data Structures  
AI, Computer Arch., OOP, UX Design

**leadership** Engineers Without Borders, Webmaster  
Square Intern Ambassador

## 🧠 skills & background

**languages** JavaScript, Java, Ruby, Python, C++, PHP  
MySQL, MongoDB, HTML5, CSS3

**technologies** Ember.js, Node.js + NPM, Ruby on Rails  
Google App Engine, Google Web Toolkit  
Git, Perforce, Subversion

**miscellaneous** Project wireframing with Adobe products  
Understanding in UX Design concepts  
Strong passion for cutting edge front-ends

## 📁 work experience



**Square**  
**Software Engineer Intern**  
Growth  
May 2014 to Aug 2014

- Revamped the merchant activation and identity verification flow with a visual refresh and a unified API across services. Activation rate increased by at least 15%
- Conducted A/B tests to measure response to different designs, content and features in the flow. Iterated constantly based on test results to further increase conversion

**Software Engineer Intern**  
Register Dashboard  
May 2013 to Aug 2013  
[squareup.com](http://squareup.com)

- Developed a bulk item management tool for merchants to easily add, edit and delete items for sale on Square Register. 100,000+ new items created within a week
- Contributed to open-source JavaScript projects "LGTM", a validation helper library, and "Field Kit", a input formatter library



**Google**  
**Software Engineer Intern**  
Adwords  
Jun 2012 to Aug 2012  
[google.com/adwords](http://google.com/adwords)

- Improved accessibility and usability of AdWords, empowering blind users to interact with the application. Ensured website navigation can be done solely with keyboard, and helpful information is provided for screen readers
- Started a team-wide effort for accessible handling of input validations. Collaborated with other engineers to implement W3C-ARIA standards across the application



**University of Southern California**  
**Course Producer, CS 104**  
Jan 2013 to Present

- Supported a class of 200 students in the Data Structures course, which included topics such as red-black trees, hashables, and sorting algorithms
- Lectured on key concepts, hosted office hours for one-on-one help, and coached in lab sessions. Worked closely with class instructor on course planning

**Student Lab Worker**  
USC Interaction Lab  
Sep 2012 to May 2014

- Developed a web-based telepresence platform to control and communicate with a Kinect-equipped Willow Garage PR2 using ROS, ROS-Bridge, and WebSockets
- Assisted in a HRI research on proxemics of robots' autonomous interaction

## 🐙 projects [peetahzee.com/portfolio](http://peetahzee.com/portfolio)

### QCast Music

[qca.st](http://qca.st)

Android app used to collaborate on a shared party playlist with Chromecast. 5000+ downloads in 2 weeks, featured on Gizmodo, ThisWeekInTech, and AndroidPolice.

### CubePoints (open-source)

[cubepoints.com](http://cubepoints.com)

Point management system plugin for WordPress site owners to motivate users and activities. Received 70,000+ downloads, and integrated into many other paid and free plugins.

### LEAD Portal - ThinkQuest Competition

Interactive educational website about leadership. Received 1st Place in an Oracle-hosted competition with a team of 6 international high school students in 2009.

### Hackathon Projects

#### PennApps, Aug 2013

Developed eyeBeacon, a Google Glass app that interacts with nearby BluetoothLE beacons to provide useful information

#### hackTECH, Jan 2014

##### Best Use of DigitalOcean Award

Built SuchRoadtrip, a scrapbook for road trips that automatically fetches pictures and social updates users make along the trip, and presents them in context on a map

#### Google 24 Hours of Good LA, Jan 2013

##### People's Choice Award

Created a visually intensive mobile website for a non-profit museum, helping them to more conveniently reach out