

# Sherry Xu

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*Objective: I am currently looking for a full-time software engineering position after my graduation date (December 2015)*

## UNIVERSITY OF CALIFORNIA AT BERKELEY

### Computer Science

Present – Dec 2015

### Integrative Biology

(Human genetics focus)

Present– Dec 2015

## PROGRAMMING LANGUAGES

### Development

Java  
Python  
C/C++  
Scheme  
Linux/Bash  
Git

### Web Design

HTML/CSS  
jQuery  
Javascript

### Application Design

Android  
XML  
Photoshop

### Server side

Ruby on Rails  
SQL

## COURSEWORK

User Interface Design  
Artificial Intelligence  
Networking  
Algorithms  
Data Structures  
Computer Architecture  
Databases  
Circuits  
Operating Systems (Fa '15)  
Genetics (Fa '15)

## Work Experience

- INTERN AT CISCO** ..... Summer 2015  
*Software Engineer I Intern (Core software group – Data centers)*
- Built automated regression system for code base on Apache Tomcat and Jenkins, runs in background, prevents developers from pushing code that breaks any unit test
  - Cleaned up multiple 1000+ lined files for nxos and ios operating systems on the switches, wrote new unit tests to guarantee integrity of code before optimizing, cleaning up, and refactoring
- INTERN AT ZTE CORPORATION** ..... Summer 2014  
*Software Intern*
- Fiber optic signal transmission (ONU, ONTs), worked on building a clear, effective UI for digital tags on the optic cable heads that displayed information relevant to packets passing through dest addr/packet type/etc) depending on specifications
  - Worked on filing patents and worked on an ongoing patent case (ZTE vs Vringo in Europe), learned about entire company flow from receiving new customers, design, planning, R&D, manufacturing, delivery, and management of product.
  - Worked on an Android UI for the Nubia X6
- INTERN AT TREND MICRO** ..... Summer 2014  
*Software Development Intern*
- Worked on the new product CloudEdge, version two of DeepEdge, a product designed for workplace IP monitoring and network security (spam filter implementation)
  - Worked on migrating logs from Amazon Cloud to Alibaba servers
  - Worked on UI for overall product
- INTERN AT SAN JOSE CITY HALL** ..... Summer 2010  
*Management Intern*
- Took detailed notes, answer phone calls professionally, and manage schedules.
  - Interacted with constituents on a professional level to solve problems and manage large projects.
  - Planned and wrote the script for an educational video on teaching citizens how to advocate at City Hall.
- LAB ASSISTANT NACHMAN LAB (MUSEUM OF VERT. ZOOLOGY)** ..... Spring 2015-Present  
*Lab Technician*
- Built database as part of the museum of vertebrae zoology for other researchers to easily access information about our lab's specimens and genetic information.
  - Conduct dissections and experiments, data aggregation, analysis, and interpretation
  - Built website for current obesity and environmental adaption of mice project for lab
- EMT AT BEAR EMS/KING AMERICAN AMBULANCE** ..... Summer 2012-Spring 2013  
*First Responder*
- First response to 911 calls (King American Ambulance Company and Bear EMS) - Interacted with patients and treat injuries ranging from minor to life threatening.
- ## Leadership
- COMPUTER SCIENCE UNDERGRADUATE ASSOCIATION** ..... Summer 2013-Present  
*Vice President Industrial Relations (Fa 14), Events Manager (Sp 14), Secretary & Treasurer (Su13-Fa13)*
- Club management and banking, obtaining company sponsorship, and secure funding for our club events
  - Maintained computers by replacing necessary hardware in the computers when they break, and managed the LDAP servers.
  - Planned events, work with numerous companies in planning dozens of events and connecting industry and students.
- CALHACKS** ..... Summer 2014-Present  
*Director and Cofounder*
- Director for CalHacks, the first and largest mega-hackathon in the Bay Area
  - Organized and planned long term goals and logistics, sent professional emails and established last relationships with companies. Worked with peers on long term projects solidified teamwork skills.
  - Overcame logistical challenges, routed around trouble at the event, made announcements and speeches at event
- CALIFORNIA YOUTH TECHNOLOGY LEADERS** ..... Summer 2009-Fall 2013  
*Nonprofit Cofounder and President*
- Recycled old computers computer parts to make new computers then donating them
  - Spoke at conferences ex SVC Annual Wireless Conference regarding technological innovation from the perspective of the youth, interacted with many companies to obtain sponsorship for our events.
- ## Projects
- MOBILE AND WEARABLE(SMARTWATCH) APPS**
- Built a beacon, smartwatch, and android shopping system, presented to Qualcomm VP
  - Built a drawing application supporting Flickr API push/pull, gps tracker, and smartwatch integration for Android
  - Built a basic iOS application - Functions as a habit maker/planner in C++
- OTHER APPLICATIONS**
- Built a multi-sensing disaster relief device using an Intel Galileo along with radiation sensor, carbon monoxide detector, and a smoke detector
  - Created a cooking mod for Minecraft via Java and photoshop, made new recipes and food types.
  - Implemented Conway's game of life in 3D using python and pygame
  - Built webpages in HTML/CSS/JQuery for student organizations and lab projects