Sherry Xu

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EDUCATION
University of California at Berkeley (Present- December 2015)
Computer Science and **Integrative Biology double major**

Computer Science Experience
Programming Languages: Java, Python, C, C++, Scheme, Javascript
Web Design: HTML/CSS, XML, JQuery
Application Design: Android, iOS Xcode
Server Side: Rails, SQLite

Classes:
Structure and Interpretation of Computer Programs, User Interface Design, Artificial Intelligence, Networking, Algorithms, Data Structures, Computer Architecture, Discrete Mathematics

Computer Science projects done outside of coursework:
- Implemented Conway's game of life in 3D using python and pyglet
- Built a basic iOS application - Functions as a habit maker/planner in C++
- Built webpages in HTML/CSS/JQuery for student organizations and lab projects
- Created a cooking mod for Minecraft via Java and photoshop, created new recipes and food types.
- Built a solar age converter application, a drawing application supporting Flickr API push/pull, gps tracker, and a smartwatch app for Android

Job/Intern Experience
Intern at ZTE (Summer 2014)
- Fiber optic signal transmission (ONU, ONTs), worked on building a UI for digital tags on the optic cable heads that displayed information conveying destinations of signals being transmitted.
- Made a clear, readable UI for customers displaying dest addr, type of packet, broadcast/multicast, etc. depending on specifications, and how ONTs, ONU, repeaters, amplifiers, and splitter cables work.
- 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 from the airport, planning, R&D, manufacturing, and delivery of product.
- Worked on an Android UI for the Nubia X6.

Intern at TrendMicro (Summer 2014)
- Worked on the new product CloudEdge, the second version of DeepEdge, a product designed for workplace IP monitoring and network security (Anti-DDOSing, Malware).
- Worked on migrating millions of logs more from Amazon Cloud to Alibaba servers
- Worked on UI for overall product
- Worked on a spam filter implementation.

Intern at San Jose City Hall (Summer 2010)
- 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.

EMT Summer(2012)
- First response to 911 calls - Interacted with patients and treat injuries ranging from minor to life threatening.

Lab Assistant (2012-2013)
- Lab Assistant in Heald Lab at LBL, completed research in inducing cell death via chemical signaling, chemically tagged cells

LEADERSHIP
Computer Science Undergraduate Association
Vice President Industrial Relations(Fall 14)/Events Manager(Spring 14)/Secretary & Treasurer (Su 13-Fall 13)
- Maintained computers by replacing necessary hardware in the computers when they break and server management.
- Club management and banking, effectively obtained company sponsorship and secure funding for our club events
- Planned events, work with numerous companies in planning dozens of events and connecting industry and students.

CalHacks Director (2014)
- 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 establish lasting relationships with companies. Worked with my peers on a long term project and solidified teamwork skills.
- Overcame logistical challenges, planned around trouble at the event, made announcements and speeches at the event

Founder & President - California Youth Technology Leaders (2009-2013)
- Recycled old computers computer parts to make new computers then donating them, green electronics recycling.
- Spoke at conferences in the Silicon Valley regarding technological innovation from the perspective of the youth, such as the SVC Annual Wireless Conference, and have interacted with many companies to obtain sponsorship for our events.

Bear MediCorps EMT
- Licensed on-campus EMT, served at various events as a medical technician. Lead people in emergency situations, and worked with many state and government agencies.