CATHERINA XU

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EDUCATION

2014-18 **Stanford University**
- GPA: 3.9/4.0, expected Bachelor of Science in Computer Science, minor in Management Science/Engineering
- Coursework: Programming Abstractions, Computer Systems, Contemporary Javascript, Android Development

2010-14 **Homestead High School**
- GPA: 4.0/4.0, SAT Composite: 2360
- Awards: Valedictorian, USA Biology Olympiad Semi-Finalist, National Merit Scholarship Finalist, National AP Scholar, American Meteorological Society Freshman Undergraduate Scholarship

WORK EXPERIENCE

2015 **Visa, Software Engineer Intern – Data Platforms**

2015 **Declara, Growth Metrics Intern**
- Analyzed MixPanel and D3Analytics data to evaluate Declara's search algorithm; co-authored a 6-page report that was utilized by the engineering, growth, and product teams
- Monitored the effectiveness of ongoing marketing campaigns through GoogleAdWords and Facebook for Business

2015 **Mobile Innovation Group, Research Assistant**
- Collected and analyzed data on Android application popularity, infrastructure, and monetization techniques for over 235 distinct applications; wrote Python scripts to normalize raw data collected from MixRank API scrapes

2013-14 **Stanford University School of Earth Sciences, Research Assistant**
- Performed DNA extraction, quantification, and PCR reactions in the Francis lab; analyzed data in R to gauge the effects of oceanic warming on Antarctic phytoplankton
- Modeled evolutionary trends by using R to statistically analyze marine organism body-size data

2013 **Sewa International, Program Analyst Intern**
- Contacted and analyzed 9 local non-profits; co-authored a 10-page process handbook that included specifics about volunteer organization and the services that Sewa offers, including medical billing and emergency relief
- Recruited 38 new volunteers at the annual Sevathon Walk through face-to-face pitches

PROJECTS

2015 **Wake Me Up, Treehacks**
- A dual Pebble and Android app that triggers watch vibrations when user is within a certain radius of destination
- Created using Android Studio, CloudPebble, and Google Play Services API, won Dropbox Engineering award

2014 **CampusBubble, Accenture Hackathon Games**
- Used Unity3D to create an iPhone application that features real-time activity updates of users and their network of friends, also supports textbook exchange in bitcoin currency
- Coded in C# and used BitPay and PubNub API to create features, won BitPay API award

ACTIVITIES AND LEADERSHIP

2014-16 **HackOverflow Coordinator, Stanford University Women in Computer Science**
- Co-organizing the annual HackOverflow hackathon for 100+ attendees in Spring 2016
- Pioneered "eCSpress yourself", a one-day career exploration conference and panel session for 40 high school girls

2015 **Equity Analyst, Stanford Blyth Fund**
- Pitched Chevron as part of the Energy and Natural Resources coverage group
- Worked to identify Chevron's growth factors by analyzing the profitability of current exploration projects

2014-15 **Core Intern, Stanford Undergraduate Chinese-American Association**
- Assisted underprivileged teenagers in Chinatown with the college application process
- Part of committee to plan cultural events such as Dead Week Dumplings and the annual New Year's Banquet

2013-14 **Vice President of Conferences, Future Business Leaders of America (FBLA)**
- Organized the Bay Section Leadership Conference, a high school business conference for 1000+ attendees, through facilities management, logistical planning, and coordination with the Bay Section leadership team
- Prepared 120 high school students for Bay, State, and National Leadership Conferences in business knowledge
- Led chapter to win CA FBLA Sweepstakes Award for top competition performance

SKILLS AND LANGUAGES

Computer Skills: C, C++, Python, Javascript, HTML/CSS, Java, Ruby on Rails, MATLAB, R, UNIX, Git, Mercurial
Interests: Badminton, vocal performance, mobile technology, hackathons, theater and performance