James Jia

2730 Spinosa Ct, Pleasanton, CA 94588 || (408) 981-1058 || jamesjia@berkeley.edu || github.com/jamesjia94

Education

Masters of Engineering in EECS   *University of California, Berkeley 2016*
- Concentration in Data Science and Systems

Bachelor of Arts in Computer Science   *University of California, Berkeley 2015*
- CS 61 Series (Struture of Computer Programs, Data Structures, Computer Architecture)   GPA: 3.83
- Discrete Math and Probability, CS Theory/Algorithms, Computational Biology
- Programming Languages and Compilers, Database Systems, Computer Architecture and Engineering, Operating Systems and Systems Programming
- Artificial Intelligence, Machine Learning, Communication Networks, Computer Security

Professional Experience

Box Intern   *May 2015 - Aug. 2015*
- Developed a library sends asynchronous batch requests to memcache servers and gathers metrics including connection latency, request latency and success rate.
- Created a CLI to monitor and log the health of memcache servers.
- Integrated the library into Box's cache cluster management system to automatically detect and move unhealthy spare servers into a separate pool for fixes.

Memcache
Akka Actors in Scala
Netty Non-blocking IO

Apple Intern   *May 2013 - Aug. 2014*
- Implemented a synchronized screen capturing service for multi-machine automation tests using a launch daemon and CLI tool. The videos are used to analyze obscure bugs that are manually irreproducible.
- Created a cross-functional reporting system that analyzes and displays automated QA test results. Used by several teams to push out daily reports for quality assurance.
- Developed multi-machine UI automation for OS X Messages and OS X Server applications.

Objective C
XPC Services
Ruby on Rails
OS X Mavericks and
OS X Yosemite

ExEquals Developer   *Nov. 2012 - May 2013*
- Architected the GUI for Learn Algebra, an Android app with over 195,000 downloads and a 4.5/5 rating.
- Planned and delegated various modules to the developers.
- Designed an iOS version of Learn Algebra using jqMath, mathJax, and Quartz2D.

exequals.com

Technical Skills

Languages: Python, Scala, Ruby, Objective C, Java, C, C++, HTML, Javascript, CSS

Software/Frameworks: Ruby on Rails, Django, RISC-V Architecture, MySQL, PostgreSQL, Hadoop, Logisim, Adobe InDesign

Extracurricular Activities

Cal Ballroom   *Aug. 2013 - Present*
- Treasurer: Reorganized and managed team finances to raise several thousand dollars, paying off all team debts and putting the team back in good standing with the University.
- Dancer: Competed in five dances each of International Standard and International Latin events governed by the World DanceSport Federation.
- Teaching Assistant: Led ballroom classes of 30-60 students three times a week and held weekly office hours for individual couples.