

Yan Zhao

INTERESTS	Information Retrieval, Statistical Learning, Computer Graphics	
CONTACT INFORMATION	1201 Melville Square, Apt 401, Richmond, CA 94804 yanzhao.me	(626)257-6432 zhaoyan1117@gmail.com
WORK EXPERIENCE	Twitter, Inc. Software Engineer II - Search Infrastructure · Inventor with pending patent direct to real-time indexing in the field of information retrieval. · https://blog.twitter.com/2016/omnisearch-index-formats · https://blog.twitter.com/2016/introducing-omnisearch · https://blog.twitter.com/2016/superroot-launching-a-high-sla-production-service-at-twitter University of California, Berkeley Graduate Student Instructor Sobrr Founding Engineer · Leading the implementation and architecture of the backend system using Ruby on Rails and maintaining test coverage higher than 90%. · Doing DevOps in maintaining production services on AWS cloud stack. · Working with product team in coming up with and implementing new features. · Mentoring interns. Twitter, Inc. Software Engineer Intern - Search Infrastructure · Worked on social search project to improve real time index update speed. · Improved Apache Lucene search framework with real time search functionality on out of order posting updates. · Designed an lock-free thread safe data structure to optimize posting list write latency and read throughput. · Applied designed augmented data structure to support range query on real time index. The Aspire Lab - Berkeley Undergraduate Research Assistant · SEJITS Project - Selective Embedded Just-In-Time Specialization GoDaddy.com, LLC Ruby on Rails Developer - E-Commerce Web Platform · Modified and updated a database routing library for multi-tenancy web application. · Participated in the implementation of internal Single Sign-on system for the web application. · Override ActiveRecord 3.2.14 for thread safety in the situation of multi-threads app server.	Sep 2015 – Present Jan 2015 – May 2015 Feb 2014 – Sep 2014 May 2014 – Aug 2014 Aug 2013 – Jan 2014 May 2013 – Dec 2013
EDUCATION	University of California, Berkeley B.S. in Electrical Engineering and Computer Science Graduation With Honors Member of Eta Kappa Nu University of California, Berkeley M.E. in Electrical Engineering and Computer Science Concentration in Computer Graphics and Visual Computing Merit Based Scholarship	Aug 2011 – May 2014 <i>GPA: 3.8</i> Aug 2014 – May 2015 <i>GPA: 3.4</i>
TECHNICAL SKILLS	Language: Java, Python, Ruby, SQL, HTML, CSS, JavaScript, C++, C. Framework: Apache Lucene, Apache Mesos, Rails, MySql, PostgreSQL.	