# Yan Zhao

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| **OBJECTIVE** | **Backends engineer dedicating to deliver reliable, performant and scalable applications.** |

**CONTACT INFORMATION**

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**EDUCATION**

**University of California, Berkeley**          **August 2011 – present**

*B.S. in Electrical Engineering and Computer Science*          *GPA/Technical GPA: 3.82/3.82*

*Expected graduation date: May 2014*

*Recruited into* <u>*Eta Kappa Nu*</u> *during sophomore year*

<u>*Selected Coursework:*</u> *Data Structure · Machine Structure · Communication Networks · Algorithm · Artificial Intelligence · Computer Graphics · Operating System · Computer Architecture · Database Systems · Software Engineering*

**WORK EXPERIENCE**

**University of California, Berkeley**          **August 2013 – Present**
*Course Staff*
*Reader of CS184 - Foundations of Computer Graphics*

· Reviewing and grading students homework and projects. · Creating automatic script for grading and reviewing purposes.

**The Aspire Lab - Berkeley**          **August 2013 – January 2014**
*Research Assistant*
*SEJITS related projects led by Professor Armando Fox*

· Working on integrating Three Finger Jack, a python specializer, with current Asp (A SEJITS Implementation for Python) framework. · Running Apache Spark on Amazon EC2 computers.

**GoDaddy.com, LLC**          **May 2013 – December 2013**
*Software Developer Intern*
*Web developer with Ruby on Rails - working on E-commerce 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. · Evaluated open source e-commerce frameworks including Spree with Rails, Oscar with Django, and BroadLeaf with Spring.

**University of California, Berkeley**          **August 2012 – May 2013**
*Course Staff*
*Reader of CS61A - The Structure and Interpretation of Computer Programs*

· Evaluated and advised students' homework and projects on style and correctness. · Group graded student's exams with other course staffs. · Coached students in code writing and composition style during office hours. · Communicated with course staffs about student's feedbacks.

**SELECTED PROJECTS**

**PeakDemand: SaaS to record future demands for resources to help scheduling in RoR**
*Final project for senior design course - CS169 Software Engineering*

· Work on backends logic including database schema design, RESTful controller implementation.
· Implement front end Ajax component with jQuery for demand detail twitter-bootstrap modal.
· Keep test coverage beyond 85%, set up Code Climate report, Travis-CI, and Pivotal Tracker.
· Contribute back to an open-source gem that is used to integrate with Google calendar services.
· Serve as scrum master: including organizing team activities, creating user stories with customers.
· Repo: github.com/zhaoyan1117/PeakDemand

**Other Projects:**
· SimpleDB - A database management system supporting SQL and concurrency control with <u>*Java*</u>.
· Global Illumination Ray Tracer with Indirect Illumination by Photon Mapping with <u>*C++, OpenMP*</u>.

**TECHNICAL SKILLS**

<u>Proficiency</u> in Ruby, Rails, Python, Java, C++, C, HTML, CSS, SQL, Agile Methodology.
<u>Experience</u> in JavaScript, jQuery, Objective-C, Scala, Hadoop, OpenMP, MySQL, PostgreSQL.