MAGDALENE LIM

Qiu Yuan Lim ● (650) 224-2028 ● qylim@berkeley.edu
2435 College Ave Apt #5, Berkeley, CA 94704

Education

University of California, Berkeley   Aug 2012 - Present
B.A, Computer Science   GPA - 3.35   Exp Graduation: Dec 2015

Work Experience

Amazon.com   Seattle, WA
Software Development Engineer Intern   May 2014 - Aug 2014
- Worked in the Search & Discovery group, focusing especially on duplicate detection of the online catalog (Catalog Quality - Darwin)
- Developed an extractor that utilized a key phrase extractor for our team's duplicate detection machine learning algorithm
- Conducted data analysis on the effectiveness of the extractor

UC Berkeley School of Law (Boalt Hall)   Berkeley, CA
Student Software Developer   Jan 2014 - May 2014
- Maintain and continuously improve current email, forum system, database used by Berkeley Law students
- Built various web applications, including the voting platform for the Boalt Hall Student Association and a timeline visualization of the academic calendar

CS61A Course   Berkeley, CA
Lab Assistant   June 2014 - Aug 2013
- Oversaw 35 CS61A students during their lab sessions twice a week and assisted by answering questions concerning labs

St. Vincent De Paul Society Food Closet   Mountain View, CA
Computer System Administrator and Volunteer   Nov 2009 - Jun 2013
- Maintained a 800 client database that processed visiting frequency and eligibility for various holiday donations

Projects

Hadoop MapReduce - Java   Sept 2013
- Identified words that were statistically associated with a given word by the co-occurrence equation using MapReduce
- Ran the program on EC2 machines to note effectiveness of using more machines and to test efficiency of combiner

Reliable Transport - Python   Oct 2013
- Built a transport protocol that provides in-order, reliable delivery of UDP datagrams
- Handled packet loss, delay, corruption, duplication, re-ordering, and congestion

Celli Website - HTML/CSS/JS   May 2014
- Worked with a team of 10 to develop a website for a local campus Cello group

Kruskal's Algorithm - Java   Apr 2013
- Designed a package that represents a weighted, undirected graph using doubly-linked adjacency lists and a hash table
- Implemented Kruskal's Algorithm to find the minimum spanning tree of a graph without breaking abstraction barriers

Twitter Trends- Python   Oct 2012
- Determined a state's general sentiment of a word by assigning positive or negative values to words in Twitter posts

Relevant Coursework

- Structure and Interpretation of Computer Programs
- Data Structures
- Discrete Mathematics and Probability
- Machine Structures
- Introduction to Communication Networks
- Efficient Algorithms and Intractable Problems
- Artificial Intelligence
- Data Science (current)
- Introduction to Microelectronic Currents (current)

Technical Skills

- Java
- Python
- HTML
- CSS
- PHP
- Javascript
- Ruby on Rails
- Git
- UNIX environment
- Oracle
- SQL
- Apache Hadoop
- Adobe Illustrator
- LaTeX

Extracurriculars

- Innovative Design - Web Design
- Phi Beta Lambda - Tech Team
- Chun Jin Ahm Catholic Fellowship
- Sunday School Substitute Teacher
- Berk Cub Book Club

Interests

- Puns
- Travelling
- Contortion
- Choral singing
- Exploring new foods