

**Address**

877 San Aleso Ave. #4  
Sunnyvale, CA 94085

**OMER BAR-OR**

Website: <http://pro.omer.bar-or.org/>

**Other Contact Information**

Voice : (620) 288-6779

E-mail : [resume@omer.bar-or.org](mailto:resume@omer.bar-or.org)

**EDUCATION**

**The University of California: Los Angeles**, Los Angeles, CA June 2009  
Master of Science in Computer Science; GPA: 4.00

**The Colorado College**, Colorado Springs, CO May 2006

Bachelor of Arts, Magna Cum Laude; GPA: 3.99

Major: Comparative Literature (with Distinction); Minors: Computer Science & Philosophy

**Honors:** Dean's List, 2002 – 2006 Phi Beta Kappa Honors Society  
Excellence in Comparative Literature, 2006 Mortar Board Honors Society  
Robert Lewis Prize in Philosophy, 2005 Blue Key Honors Society

**RELEVANT EXPERIENCE**

**Software Systems Development Engineer** July, 2009 – Present  
Yahoo!, Sunnyvale, CA

- Created scalable performance measurement scripts in Python using the MapReduce paradigm
- Improved performance of a web crawler in Java
- Answered questions by new co-workers and served as a gateway for other groups
- Collaborated with my team to switch to a more agile process by building tools to make unit testing easier and helping to create a sized backlog

**Student Programming Assistant III** June – Sept. 2008  
The National Center for Atmospheric Research, Boulder, CO

- Conducted data mining research to predict helicopter-unfriendly weather conditions
- Built a suite of tools in Python for conducting time-series data mining tasks using several existing data mining packages (WEKA, RapidMiner, Orange, etc.)
- Researched atmospheric data climatologically to better guide data mining techniques
- Developed general purpose tools in C++ for storing and extracting data for large datasets
- Created a library in Python for easily modifying large datasets based on existing data

**Student Programmer** May – Aug. 2007  
Google Summer of Code, Mountain View, CA

- Developed a driver in C++/Carbon for incorporating Mac OS X Address Book data in OpenOffice.org
- Collaborated with administrators of NeoOffice and OpenOffice.org to implement the driver into both systems

**Student Programming Assistant II** May 2004 – May 2006  
The National Center for Atmospheric Research, Boulder, CO

- Assisted in research to predict turbulence and distinguish natural from artificial objects in the atmosphere
- Co-authored a conference paper for the 8th Annual George Mason University Conference on Transport and Dispersion Modeling
- Debugged and added features to a scriptable graphing program, written in C, that generates publication-quality PostScript plots and images from various types of data files
- Developed dozens of general-purpose scripts in Perl and C-Shell to process and plot massive amounts of atmospheric data
- Created and debugged programs in C, FORTRAN, and Perl that convert data from various formats into ones recognized by existing scripts and programs
- Developed Perl scripts to quality control atmospheric data for automatic processing and plotting

**COMPUTER & LANGUAGE SKILLS**

Proficient: Python, Perl, Java, C, C++, SQL, PHP, JavaScript, CSS | AJAX | Modern Hebrew

Beginner Level: Lisp, Ruby, OCaml, Objective C++ | Django, Ruby on Rails |

**ADDITIONAL EXPERIENCE**

**Web Developer**, Green Abacus, San Francisco, CA June – Sept. 2008  
**Consultant and Web Developer**, The Bell Policy Center, Denver, CO Nov. 2006 – Jan. 2007  
**Student Programming Assistant**, The University of Colorado at Boulder, CO Mar. 2002 – May 2004

**RECENT PERSONAL PROJECTS**

**RMagick**, Ruby wrapper around ImageMagick (became maintainer) <http://rmagick.rubyforge.org/> 2009  
**A Hypertext Reference**, Multimedia, collaborative novel <http://nano2009.omer.bar-or.org/> 2009  
**Team Sketch**, Two-player game over bluetooth for the iPhone <http://teamsketch.omer.bar-or.org/> 2009