

Contact via email for other contact information.

EDUCATION

Ph.D., Statistics	Expected Summer 2010
<i>University of California, Los Angeles</i>	
<ul style="list-style-type: none">• <u>Coursework</u>: Probability theory, large sample theory, sampling and research design, statistical computing, regression analysis, Bayesian modeling, mathematical statistics, time series analysis, geostatistics, spatial statistics, and multivariate analysis.• <u>Dissertation Title</u>: <i>User Profiling for Information Retrieval using Semantic Data with Small Texts</i>.• <u>Concentration</u>: Machine learning, data mining, information retrieval.	
M.S., Computer Science	Expected Spring 2010
<i>University of California, Los Angeles</i>	
<ul style="list-style-type: none">• <u>Coursework</u>: algorithms and complexity, programming language theory, operating systems, natural language processing, neural networks, artificial life, Bayesian networks, web information management and mining, object-oriented and semantic data stores, knowledge bases and discovery.• <u>Proposed Thesis Concentration</u>: Artificial intelligence, web information management.	
M.S., Statistics	June 2008
<i>University of California, Los Angeles</i>	
B.S., Mathematics of Computation, Statistics	June 2006
<i>University of California, Los Angeles</i>	
Graduated Cum Laude with College Honors and Departmental Honors	

PAPERS AND PUBLICATIONS

R. R. Rosario. Migrating from Relational Databases to Document-Oriented Datastores. <i>Journal of Statistical Software</i> (in progress)	2010
R. R. Rosario. Machine Learning. <i>Journal of Statistical Software, Book Reviews</i> . (In progress)	2009
R. R. Rosario. Practical Text Mining with Perl. <i>Journal of Statistical Software, Book Reviews</i> , 29(9):1-3, January 2009.	2009
R. R. Rosario. <i>A natural language processing approach to detecting undesired subscribers in a microblogging platform</i> . (In progress)	2009
E. Agapie, G. Chen, D. Houston, E. Howard, J. Kim, M. Y. Mun, A. Mondschein, S. Reddy, R. Rosario, J. Ryder, A. Steiner, J. Burke, E. Estrin, M. Hansen, and M. Rahimi, "Seeing Our Signals: Combining location traces and web-based models for personal discovery" (January 1, 2007). <i>Center for Embedded Network Sensing. Papers</i> . Paper 2200.	2007

PROFESSIONAL ACTIVITIES

Attendee, 140tc Twitter Conference	2009
Attendee, SciPyCon 2009	2009
Attendee, International Joint Conference on Artificial Intelligence (IJCAI09)	2009
Member, Association for the Advancement of Artificial Intelligence	2009-Present
Member, Association for Computing Machinery	2008-Present
Member, Pi Mu Epsilon	2004-Present
Member, Mathematical Association of America	2003-Present
Member, American Statistical Association	2001-Present

TECHNICAL SKILLS

Programming Languages and Technologies

Proficient: VBA, JavaScript, XML, CSS, MySQL, Perl, Ruby, Bash.

Advanced: C++, Java, Python, R, PHP

Statistical and Mathematical Packages: R, SAS, SPSS, EQS, Stata, MATLAB, Mathematica.

Publishing: LaTeX (including BibTeX, Asymptote, Sweave), Word, Excel, PowerPoint, FrontPage, Keynote, Pages

Operating Systems: Linux (Fedora, RedHat, Ubuntu, Debian, SuSE), Unix (FreeBSD), MacOS X, Windows.

AWARDS AND HONORS

Teaching Assistant of the Year Nominee: UCLA Department of Statistics	2008
Received On-the-Spot Award of Employee Excellence: UCLA Recreation	2006
R & D John Fellow: UCLA Graduate Division	2006
Undergraduate Mathematics Student Association, President	2004-2005
Earned Dean's Honors: University of California, Los Angeles	2003-2006
Undergraduate Mathematics Student Association, Website Coordinator	2003-2006
Inducted into Golden Key International	2003
Inducted into National Society of Collegiate Scholars	2002
Earned Dean's Honors: University of California, Santa Barbara	2001-2002

WORK EXPERIENCE

The Search Agency

Santa Monica, CA

2008-Present

Research Intern

- Develop software for data analysis of SEO and SEM data.
- Implemented a system to parse online content into a corpus using Python, C++, and Hadoop.
- Assisted in developing a keyword-replacement tool using Latent Semantic Analysis, Probabilistic Latent Semantic Analysis and Latent Dirichlet Allocation.
- Introduced company to the use of R and Hadoop for processing large datasets and their integration with current tools such as web servers, Excel and programming languages.

University of California, Los Angeles

Consultant

2008-Present

Department of Statistics

- Maintained weekly office hours to assist visitors with data analysis in R, LaTeX, GRASS.
- Developed and taught mini-courses in Basic R, Intermediate R, GRASS GIS and Hadoop.
- Developed an online resource for help with R, GRASS GIS, and LaTeX.
- Maintained center website.
- Served as systems administrator: troubleshooting system and network issues, developed software to remotely manage upgrades of rapidly changing open-source software.

Teaching Fellow

2007-Present

Department of Statistics

Undergraduate Courses

- Taught weekly discussion section to clarify material covered by teaching faculty in lecture.
- Prepared teaching materials such as handouts, practice examinations and data analysis labs.
- Participated in the assessment and evaluation of student learning.

Graduate Courses

- Taught weekly lab sessions for graduate statistical programming and data mining course using Unix tools, Python, MySQL, R and Processing.
- Assisted faculty member with brand new geostatistics course using GRASS GIS.
- Developed and implemented a customized distribution and installer for GRASS that was simpler to use than the official.
- Worked with technical staff to ensure reliable operation of computer equipment with necessary software.
- Assisted in development and grading of assessment projects.

Other

- Developed a Java application for automated scheduling of teaching assistants into sections using simulated annealing.

Graduate Student Researcher

Summer 2007

Center for Embedded Network Sensing

- Performed data analysis on GPS location traces for the Personal Environment Impact Report system.
- Assisted in development of an algorithm for missing data in large road networks.

Supervisor

2005-2006

Department of Recreational and Cultural Affairs

- Monitored Sunset Canyon Recreation Center facility and enforced policies.
- Worked with professional staff, camp directors, clerks and lifeguards to assist with maintenance and upkeep of facility.
- Developed a Java application for automated development of supervisor shift schedules using heuristic search.