Rolando S. Garcia

Ph.D. Student
University of California, Berkeley
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Education

University of California, Berkeley, CA
Ph.D., Computer Science

Arizona State University, Tempe, AZ
B.S., Computer Science, May 2017
GPA: 4.00 / 4.00 (weighted), *Summa Cum Laude*

Awards and Fellowships

NSF Graduate Research Fellowship, 2017.

Chancellor's Fellowship for Graduate Study, UC Berkeley, 2017.

EECS Excellence Award, UC Berkeley, 2017.

Honorable Mention, **Computing Research Association's Outstanding Undergraduate Researcher Award**, 2017.

Undergraduate Research Award, Fulton Undergraduate Research Initiative, Arizona State University, Spring 2016.

Visual Analytics Science and Technology (VAST) Grand Challenge Award: Outstanding Comprehensive Submission. IEEE Conference on Visual Analytics Science and Technology, 2015. (Awarded to Steptoe M., Krueger R., Zhang Y., Liang X., **Garcia R.**, Kadambi S., Luo W., Ertl T., Maciejewski, R.).

Research

RISE Lab
University of California, Berkeley, CA.
Graduate Research Aide, June 2017 – Present.
Advisor: Dr. Joseph Hellerstein.

Projects:
Jarvis, Managing the Machine Learning Lifecycle, June 2017 – Present.

Research

Computational Genetics Laboratory
Institute for Biomedical Informatics, University of Pennsylvania, Philadelphia, PA.
Undergraduate Research Aide, June 2016 – August 2016.
Leadership Alliance program participant.
Advisor: Dr. Jason Moore.

Projects:
DELFT, Deep Learning Feature of TPOT, June – August 2016. Repository: github.com/rlnsanz/delft

Visual Analytics and Data Exploration Research Lab
Arizona State University, Tempe, AZ.
Undergraduate Research Aide, January 2015 – May 2017.
Advisor: Dr. Ross Maciejewski

Projects:
NSF REU: Visual Analytics Algorithms for Spatiotemporal Analysis, August 2016 – May 2017.

Visual Analytics of Scientometrics, January – May 2016.

DinoFun World Visual Analytics System (VAST Grand Challenge Award), May – July 2015.

Publications

Steptoe, M., Krüger, R., **Garcia, R.**, Liang, X., Maciejewski, R. A Visual Analytics Framework for Exploring Theme Park Dynamics. In *ACM Transactions on Interactive Intelligent Systems*, (to appear).

Lu, Y., **Garcia, R.**, Hansen, B., Gleicher, M., Maciejewski, R. The State-of-the-Art in Predictive Visual Analytics. In *Computer Graphics Forum*, 2017.

Steptoe, M., Krueger, R., Zhang, Y., Liang, X., Luo, W., **Garcia, R.**, Kadambi, S., Ertl, T., Maciejewski, R. VADER/VIS VAST 2015 Grand Challenge Entry. In *Proceedings of the IEEE Visual Analytics Science and Technology Challenge Workshop*, 2015.

Posters & Talks

Lu, Y., **Garcia, R.**, Hansen, B., Gleicher, M., Maciejewski, R. "The State-of-the-Art in Predictive Visual Analytics." EuroVis 2017, 19th EG/VGTC Conference on Visualization, Barcelona, Spain. June 2017. Talk.

Garcia, R., Olson, R., Moore, J. "Automatic Design and Optimization of Deep Learning Architectures." The Annual Summer Undergraduate Internship Program Research Symposium, University of Pennsylvania, Philadelphia, PA. August 2016. Poster.

Garcia, R., Olson, R., Moore, J. "Automatic Design and Optimization of Deep Learning Architectures". The Leadership Alliance National Symposium, Stamford, CT. July 2016. Talk.

Garcia, R., Maciejewski, R. "Visual Analytics of Scientometrics". Fulton Undergraduate Research Initiative Symposium, Arizona State University, Tempe, AZ. April 2016. Poster.

Steptoe, M., Krueger, R., Zhang, Y., **Garcia, R.**, Kadambi, S., Luo, W., Ertl, T., Maciejewski, R. "VAST 2015 Grand Challenge – Team VADER/VIS". IEEE Visual Analytics Science and Technology Conference, Chicago, IL. October 2015. Poster & Talk.

Teaching

CSE 240: **Introduction to Programming Languages**.
Arizona State University, Tempe, AZ.
Undergraduate Teaching Assistant.
Fall 2015, 267 students.

PHI 105: **Introduction to Ethics**.
Northern Arizona University, Flagstaff, AZ.
Student Instructor.
Fall 2013, 50 students.

Service

Graduate Pathways to STEM
The mission is to inspire diverse talent to become the next generation of innovative leaders through advanced engineering and science degrees. Mentored one undergraduate student through the graduate school application process. Stanford University, October – December 2017.

Service

LAGSES NSF GRF Mentoring Program
Guided one graduate student through the NSF GRF application process, answering questions and giving feedback on the research proposal and statement of purpose. UC Berkeley, September – October 2017.
http://lagses.berkeley.edu/