

Rolando S. Garcia

Ph.D. Student
University of California, Berkeley
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rlnsanz.github.io

Education

University of California, Berkeley, CA
Ph.D., Computer Science. Started Fall 2017.

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.
PhD Student, June 2017 – Present.
Advisor: Dr. Joseph Hellerstein.

Projects:

Flor, Managing Metadata in the Machine Learning Lifecycle, June 2017 – Present. github.com/ucbrise/flor

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

Garcia, R., Sreekanti, V., Yadwadkar, N., Crankshaw, D., Gonzalez, J., Hellerstein, J. Context: The missing piece in the machine learning lifecycle. *Common Model Infrastructure, KDD*. 2018.

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*, 2018.

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.

Step toe, 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

COMPSCI 186/286: **Introduction to Database Systems.**
University of California, Berkeley.
Graduate Student Instructor.
Spring 2018, 450 students.

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.

Internships

Amazon Search, Palo Alto, CA. Summer 2018 – Fall 2018.

Managing the metadata of model training pipelines. Scheduling distributed model training pipelines.

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.

Chaired Graduate Student Recruitment, UC Berkeley, Fall 2019.

Leadership Alliance (LANS)

The vision is to train, to mentor, and to inspire a diverse group of students from a wide range of cultural and academic backgrounds into competitive graduate training programs and professional research-based careers.

Moderated a session for undergraduate talks in AI, Hartford CT. 2019.

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/>