

Steven Boada, Ph.D

Contact Information	Department of Physics and Astronomy 136 Frelinghuysen Rd Rutgers University Piscataway, NJ 08854	<i>Phone:</i> +1 (615) 200-0119 <i>E-mail:</i> boada@physics.rutgers.edu <i>WWW:</i> http://boada.github.io
Quick Profile	Observation Cosmology, Large-area Sky Surveys (e.g., DES, LSST, SDSS, ACT, SPT), Galaxy Clusters, High Performance Computing (HPC), Galaxy Evolution, Interacting Galaxies and Morphology.	
Professional Experience	Rutgers University , Piscataway, New Jersey USA <i>Postdoctoral Research Associate</i>	September, 2016 - Present
	Texas A&M University , College Station, Texas USA <i>Research Assistant</i>	August, 2010 - 2016
	The University of Tennessee , Knoxville, Tennessee USA <i>Research Assistant</i>	August, 2007 - 2009
	National Center for Computational Science , Oak Ridge, Tennessee USA <i>Visiting Scientist</i> Carried out the computing projects required to complete Master's, including modeling of interacting galaxy systems, machine learning, and other HPC tasks.	May, 2007 - August, 2009
Technical Skills	Machine Learning: Regression, Classification, Feature Engineering, Optimization Statistical Methods: Regression models, hypothesis testing and confidence intervals, error analysis, image analysis Software and Computing: Python (e.g. Scikit-learn, Numpy, Scipy, Pandas, Matplotlib), SQL, ANSI C, Linux, Microsoft Excel, GPGPU applications, HPC (100k+ core) applications	
Education	Texas A&M University , College Station, Texas USA Ph.D., Physics (Astronomy focus), August, 2016 <ul style="list-style-type: none">Dissertation Title: "Measuring the Scatter in the Cluster Optical Richness–Mass Relation with Machine Learning" The University of Tennessee , Knoxville, Tennessee USA M.S., Physics (Astronomy focus), August, 2009 <ul style="list-style-type: none">Thesis Title: "An Automated Approach to the Study and Classification of Colliding and Interacting Galaxies" The University of Tennessee , Knoxville, Tennessee USA B.S., Physics, May, 2007	