

Kristen Garofali

Contact Information	University of Washington Department of Astronomy Box 351580 Seattle, WA 98195-1580	Phone: (248) 953-1544 E-mail: garofali@uw.edu http://kgarofali.github.io
Education	University of Washington, Seattle Masters Astronomy December 2013 Ph.D. Astronomy expected 2018 <ul style="list-style-type: none">• Advisor: Professor Benjamin Williams Michigan State University, East Lansing B.S., Astrophysics, additional major Physics May 2012 <ul style="list-style-type: none">• Senior Thesis Title: <i>Mining for Neutron Capture Elements in the Planetary Nebula BD+30 3639</i>• Advisor: Professor Nicholas Sterling• Area of Study: Spectroscopy• Grade: <i>Summa cum laude</i>	
Awards and Fellowships	University of Washington eScience Institute <ul style="list-style-type: none">• Data Science for Social Good Fellow June 2015-August 2015 Seattle ARCS Foundation <ul style="list-style-type: none">• Nancy and Doug Norberg ARCS Fellow 2012—2015 Michigan State University <ul style="list-style-type: none">• Thomas H. Osgood Undergradaute Physics Award 2012	
Research Experience	Data Science for Social Good: Paratransit Team Adviser: Professor Anat Caspi Taskar Center for Accessible Technology & eScience Institute June 2015–August 2015 Research Assistant Adviser: Professor Benjamin Williams Department of Astronomy, University of Washington Summer 2013—present Research Assistant Advisors: Dr. Joseph Converse, Professor Rupali Chandar Department of Physics and Astronomy, University of Toledo Summer 2011, Summer 2012 Research Assistant Adviser: Professor Nicholas Sterling Department of Physics and Astronomy, Michigan State University Fall 2010—Summer 2012	
Technical Experience	Computer Programming: <ul style="list-style-type: none">• Python, IDL, R, C Astronomy Analysis Software: <ul style="list-style-type: none">• IRAF, DS9, STARLAB, XSPEC, CIAO, SAS (XMM-Newton)	
Teaching	Instructor AST 192: Pre-Major in Astronomy Research Seminar Department of Astronomy, University of Washington Fall 2015	

	Instructor “Alien Worlds” Robinson Center for Young Scholars, University of Washington	Fall 2015—present
	Teaching Assistant AST 150, AST 101 Department of Astronomy, University of Washington	Fall 2012—Spring 2013
	Teaching Assistant AST 207, PHY 252 Department of Physics and Astronomy, Michigan State University	Fall 2010—Spring 2012
Outreach	Organizer and Presenter • Astronomy on Tap Seattle	Winter 2015—present
	Astronomy Ambassador • American Astronomical Society Astronomy Ambassadors Program	Winter 2015—present
	Planetarium Presenter • UW Mobile Planetarium	Summer 2014—present
Refereed Journal Publications	Williams, B.F., Wold, B., Haberl, F., Garofali, K. et al. (2015), ApJS, accepted: “ <i>A Deep XMM-Newton Survey of M33: Point Source Catalog, Source Detection, and Characterization of Overlapping Fields</i> ” Garofali, K., Coverse, J.M., Chandar, R., & Rangelov, B. (2012), ApJ 755, 49G: “ <i>On the Dynamical Formation of Very Young, X-Ray Emitting Black Hole Binaries in Dense Star Clusters</i> ” Garofali, K., Robinson, R., & Thoennessen, M. (2010), Atomic Data Nuclear Data Tables, accepted: “ <i>Discovery of Chromium, Manganese, Nickel, and Copper Isotopes</i> ”	
Refereed Presentations	Poster. “ <i>The X-ray Source Population of M33 as Seen by XMM-Newton.</i> ” Garofali, K., Williams, B.F., Wold, B., et al., AAS Meeting 225, 336.01 (Seattle, WA, 2015) Poster. “ <i>The X-ray Source Population of M33 as Seen by XMM-Newton.</i> ” Garofali, K., Chandra Science Workshop: X-ray View of Galaxy Ecosystems (Boston, MA 2014) Poster. “ <i>The Dynamical Formation of Young Black Hole Binaries in Dense Star Clusters.</i> ” Garofali, K., Converse, J., Chandar, R., & Rangelov, B., AAS Meeting 219, 151.28 (Austin, TX 2012)	