Harshil M. Kamdar
CV

Harvard-Smithsonian Center for Astrophysics
60 Garden Street
Cambridge, MA 02138

harshil.kamdar@cfa.harvard.edu
(978) 886-9400
@harshilkamdar

Education		
	PH.D. IN ASTRONOMY AND ASTROPHYSICS Harvard University, Cambridge, MA, USA Advisor: Charlie Conroy	2016 – Present
	S.M. IN COMPUTATIONAL SCIENCE & ENGINEERING Harvard University, Cambridge, MA, USA	2016 – Present
	B.S. IN PHYSICS, B.S. IN ASTRONOMY University of Illinois, Urbana, IL, USA Advisors: Robert Brunner, Matthew Turk	2012 – 2016

Honors & Awards		
	DOE Computational Science Graduate Fellowship	2016 – Present
	Robert E. Hetrick Senior Thesis Prize	2016
	Stanley J. Wyatt Memorial Award	2016
	NSF Blue Waters Computational Internship	2015 – 2015
	Harry E. Preble Award for Undergraduate Research	2014, 2015
	University Achievement Scholar	2012 – 2016

Professional Activities		
	Practicum at National Renewable Energy Laboratory	May 2018 – Aug 2018
	Communicating Science Conference LOC Co-Chair	2018 – Present
	Manuscript Referee: MNRAS	2017 – Present
	Resident Tutor at Mather House: *Fellowships Committee, Hiring Committee, Intramurals Committee*	2017 – Present
	Science By The Pint Moderator	2016 – Present
	Graduate Student Council Representative	2016 – Present

Talks & Posters

Talks (†Invited)

†ITC Luncheon Talk, Harvard University, *Cambridge, MA*	Oct 2019
IAU Symposium 353, Galactic Dynamics in the Era of Large Surveys, *Shanghai, China*	Jun 2019
53rd ESLAB Gaia Symposium, *ESA/ESTEC, Noordwijk, Netherlands*	Apr 2019
Dynamical Models for Stars and Gas in Galaxies in the Gaia Era, *Santa Barbara, CA*	Mar 2019
Life and Times of the Milky Way, *Shanghai Science Hall, Shanghai, China*	Nov 2018
Machine Learning Journal Club, *Harvard University, Cambridge, MA*	Mar 2018, Apr 2018
Eisenstein Group Meeting, *Harvard University, Cambridge, MA*	Dec 2017
†Astrophysics, Cosmology, and Gravitation Seminar, *University of Illinois, Urbana, IL*	Feb 2016
Dept of Physics Undergraduate Research Symposium, *University of Illinois, Urbana, IL*	Jan 2016
DES Chicagoland Meeting, *NCSA, Urbana, IL*	Dec 2015

Posters

DOE CSGF Program Review, *Arlington, VA*	Jul 2017, Jul 2018
227th AAS Conference, *Kissimmee, FL*	Jan 2016
Undergraduate Research Symposium, *Urbana, IL*	Apr 2015, Apr 2016
Annual Computational Science & Engineering Meeting, *Urbana, IL*	Apr 2014

Publications   4 Total; 4 As First Author; 40+ Citations

Stars that Move Together Were Born Together
Harshil Kamdar, Charlie Conroy, Yuan-Sen Ting, et al. *ApJL, in preparation*

A Dynamical Model for Clustered Star Formation in the Milky Way Disk
Harshil Kamdar, Charlie Conroy, Yuan-Sen Ting, et al. *ApJ, submitted*

Machine Learning and Cosmological Simulations II: Hydrodynamical Simulations
Harshil Kamdar, Matthew Turk, Robert Brunner, *MNRAS, 457 1162*

Machine Learning and Cosmological Simulations I: Hydrodynamical Simulations
Harshil Kamdar, Matthew Turk, Robert Brunner, *MNRAS, 455, 642*

Skills   Python, C++, Matlab, OpenMP, MPI, Mathematica, LATEX