

HARSHIL M. KAMDAR

CV

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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: <i>Fellowships Committee, Hiring Committee, Intramurals Committee</i>	2017 – Present
	Science By The Pint Moderator	2016 – Present
	Graduate Student Council Representative	2016 – Present
Talks & Posters	Talks ([†] Invited)	
	[†] ITC Luncheon Talk, Harvard University, <i>Cambridge, MA</i>	Oct 2019
	IAU Symposium 353, Galactic Dynamics in the Era of Large Surveys, <i>Shanghai, China</i>	Jun 2019
	53rd ESLAB Gaia Symposium, <i>ESA/ESTEC, Noordwijk, Netherlands</i>	Apr 2019
	Dynamical Models for Stars and Gas in Galaxies in the Gaia Era, <i>Santa Barbara, CA</i>	Mar 2019
	Life and Times of the Milky Way, <i>Shanghai Science Hall, Shanghai, China</i>	Nov 2018
	Machine Learning Journal Club, <i>Harvard University, Cambridge, MA</i>	Mar 2018, Apr 2018
	Eisenstein Group Meeting, <i>Harvard University, Cambridge, MA</i>	Dec 2017
	[†] Astrophysics, Cosmology, and Gravitation Seminar, <i>University of Illinois, Urbana, IL</i>	Feb 2016
	Dept of Physics Undergraduate Research Symposium, <i>University of Illinois, Urbana, IL</i>	Jan 2016
	DES Chicagoland Meeting, <i>NCSA, Urbana, IL</i>	Dec 2015
	Posters	
	DOE CSGF Program Review, <i>Arlington, VA</i>	Jul 2017, Jul 2018, Jul 2019
	227th AAS Conference, <i>Kissimmee, FL</i>	Jan 2016
	Undergraduate Research Symposium, <i>Urbana, IL</i>	Apr 2015, Apr 2016
	Annual Computational Science & Engineering Meeting, <i>Urbana, IL</i>	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*, *submitted*

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, L^AT_EX