

# HARSHIL M. KAMDAR

## CV

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<b>Education</b>	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
<b>Honors &amp; Awards</b>	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

### Publications 4 Total; 4 As First Author; 60+ Citations

Stars that Move Together Were Born Together  
[Harshil Kamdar](#), Charlie Conroy, Yuan-Sen Ting, et al. *ApJL*, 884 (2), L42

A Dynamical Model for Clustered Star Formation in the Milky Way Disk  
[Harshil Kamdar](#), Charlie Conroy, Yuan-Sen Ting, et al. *ApJ*, 884 (2), 173

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

<b>Professional Activities</b>	Practicum at National Renewable Energy Laboratory (advisor: Dr. Caleb Phillips)	May 2018 – Aug 2018
	Communicating Science Conference LOC Chair	2018 – Present
	Manuscript Referee: MNRAS	2017 – Present
	Resident Tutor at Mather House: <i>Fellowships Committee</i> , <i>Hiring Committee</i>	2017 – Present
	Science By The Pint Moderator	2016 – Present
	Graduate Student Council Representative	2016 – Present

**Talks &  
Posters****Talks** (<sup>†</sup>Invited)

<sup>†</sup> ITC Lunch Talk, Harvard University, <i>Cambridge, MA</i>	Oct 2019
IAU Symposium 353, <i>Shanghai, China</i>	Jun 2019
53rd ESLAB Gaia Symposium, <i>ESA, Netherlands</i>	Apr 2019
KITP Program: 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, 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
<sup>†</sup> 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, 2018, 2019
227th AAS Conference, <i>Kissimmee, FL</i>	Jan 2016
Undergraduate Research Symposium, <i>Urbana, IL</i>	Apr 2015, 2016
Annual Computational Science & Engineering Meeting, <i>Urbana, IL</i>	Apr 2014

**Skills**

Python, C++, JavaScript, Matlab, OpenMP, MPI, Mathematica, L<sup>A</sup>T<sub>E</sub>X, PyTorch, TensorFlow