

CURRICULUM VITAE • NIA IMARA

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EDUCATION

Kenyon College – Gambier, OH	Physics, honors	B.A., 2003
Kenyon College – Gambier, OH	Mathematics	B.A., 2003
University of California, Berkeley	Astrophysics	Ph.D., 2010

APPOINTMENTS

John Harvard Distinguished Science Fellow, Harvard University	2017 – present
Harvard-MIT FFL Postdoctoral Fellow, Harvard University	2014 – 2017
Center for Science Education, UC Berkeley (K-12 curriculum design)	2011 – 2013
Graduate Student Researcher, UC Berkeley	2005 – 2010

TEACHING

Astronomy Professor	College of Alameda	2013 – 2014
	Peralta Community College District	
Adjunct Math Professor	Holy Names University	2011 – 2013
	Oakland, CA	
Graduate Student Instructor	Astronomy Department	2003 – 2005, 2009
	UC Berkeley	

SCIENCE PUBLICATIONS

- "ALMA Observations of the Molecular Clouds in NGC 625," [Imara et al. 2020]
- "ALMA Observations of Giant Molecular Clouds in the Starburst Galaxy Henize 2-10," [Imara & Faesi, 2019, *ApJ*, 876, 141]
- Searching for Exoplanets Around X-Ray Binaries with Accreting White Dwarfs, Neutron Stars, and Black Holes," [Imara & Di Stefano, 2018, *ApJ*, 859, 40]
- "A Model Connecting Galaxy Masses, Star Formation Rates, and Dust Temperatures Across Cosmic Time," [Imara, Loeb, Johnson, et al. 2018, *ApJ*, 854, 36]
- "X Marks the Spot: Nexus of Filaments, Cores, and Outflows in a Young Star-Forming Region," [Imara, Lada, Lewis, et al. 2017, *ApJ*, 840, 119]
- "Astrophysical Russian Dolls," [Loeb & Imara, 2017, *Nature Astronomy*, 1, 6]
- "The H I Probability Distribution Function and the Atomic-to-Molecular Transition in Molecular Clouds," [Imara & Burkhart, 2016, *ApJ*, 829, 102]
- "The Distortion of the Cosmic Microwave Background Spectrum Due to Intergalactic Dust," [Imara & Loeb, 2016, *ApJ*, 825, 130]
- "Limits on Intergalactic Dust during Reionization," [Imara & Loeb, 2016, *ApJ*, 816, 16]
- "Rethinking a Mysterious Molecular Cloud," [Imara, 2015, *ApJ*, 803, 38]
- "Angular Momentum in Giant Molecular Clouds: The Milky Way," [Imara & Blitz, 2011, *ApJ*, 732, 78]
- "Angular Momentum in Giant Molecular Clouds: M33," [Imara et al., 2011, *ApJ*, 732, 79]
- "Extinction in the Large Magellanic Cloud," [Imara & Blitz, 2007, *ApJ*, 662, 969]

DATA ANALYSIS & VISUALIZATION EXPERIENCE

Programming: IDL, some Python, Matlab, some machine learning (e.g., gradient descent, SVMs)
Data visualization/graphic design: Adobe Illustrator, Photoshop, InDesign, Microsoft PowerPoint, IDL