Contact Information	Department of Physics 1375 Avenue Thérèse-Lavoie-Roux Montréal, QC H2V 0B3, Canada	Phone: +1 438 939 3765 E-mail: hezaveh@astro.umontreal.ca www.astro.umontreal.ca/~hezaveh			
Employment	University of Montreal , Montreal, Canada Department of Physics Assistant Professor				
	Flatiron Institute, New York, NY Center for Computation Astrophysics Flatiron Research Fellow (2018 - 2019)				
	Stanford University , Stanford, CA Kavli Institute for Particle Astrophysics and Cosmology NASA/STScI Hubble Fellow, (2015 - 2018) Postdoctoral Research Fellow, (2013 - 2015)				
Education	McGill University , Montreal, QC, Canada Ph.D. Physics - August 2013 Thesis Topic: Strongly Lensed Sources in mm-Wave Surveys				
	University of Victoria , Victoria, BC, Canada Combined Honours in Physics and Astronomy, May 2008 Thesis Topic: Dark Matter Halo Profiles in Numerical Simulations				
Research Interests	Dark Matter: Astrophysical constraints on the particle nature of dark matter.				
	Gravitational Lensing: Strong lensing of high-redshift starburst galaxies.				
	Machine Learning: Application of machine learning	g methods to astrophysics.			
Awards and Honours	 Hubble Fellowship - NASA - 2015 - (360,000 US "Top 10 Discoveries of the year", by <i>Québec Scie</i> McGill University Bravo - 2013 Centre for Research in Astrophysics of Quebec Best Presentation Award (\$100), 78 participants Canadian Astronomical Society Best Presentation "for outstanding demonstration of knowledge and" Doctoral Scholarship, FRQNT, 2012 (\$26,668.00) International Training Scholarship, FRQNT, 2011 	ence magazine. on Award (\$200), 226 participants, d determination"			

Selected Press Release				
and Media	"Al Analyzes Gravitational Le	enses 10 Million Time	es Faster"	SLAC, Stanford Press Release, 2017
Coverage	"Neural networks meet space	e "	Print an	Symmetry Magazine d Online Article, 2017
	"AI Revolutionizes Astrophys	ics With Fastest Ana	alysis Ever "	Forbes Magazine Online Article, 2017
	"Al Analyzes Images 10 Millio	on Times Faster "	М	IT Technology Review Online Article, 2017
	"The hunt for invisible dwarf g	galaxies"		BBC Earth Online Article, 2016
	"Dwarf Dark Galaxy Hidden i	n ALMA Image"	1	NRAO/Stanford/ALMA Press Release, 2016
	"Hiding in the light "			Rachel Maddow Show ek online article, 2016
	"Dark Dwarf Galaxy Discove		d Magazine	Sky & Telescope & Online Article, 2016
	"Astronomers discover dark i	matter galaxy"		CBSNEWS Online Article, 2016
	"Newly Discovered Galaxy Is	4 Billion Light Years	From Earth'	⁷ abcNEWS Online Article, 2016
	"Dwarf dark galaxy hidden in	ALMA gravitational	lens image"	Astronomy Magazine Online Article, 2016
	"ALMA Rewrites History of U	niverse's Stellar Baby	<i>Boom"</i> ALN	/IA, ESO, NRAO, 2013
	<i>"New Telescope Reveals Ear</i> Cana	•	Corporation,	Quirks and Quarks Radio Interview, 2013
	"Baby-boom stellaire"	Ra		<i>Les Années Lumières</i> Radio Interview, 2013
	"Distant Star Baby Boom Ca	ptured by Huge New	' Telescope"	CBC News Online Article, 2013
	" les premiers moments de		ewspaper an	Le Devoir d Online Article, 2013
	"Stellar baby boom"	Max-Planck	Gesellschaft	Press Release, 2013

Invited Talks

Cosmic Controversies, KICP Chicago, IL - Oct. 2019 - Invited talk

McMaster University, Department of Physics & Astronomy Hamilton, ON - Sept. 2019 - Invited colloquium

Queens University, Department of Physics Kingston, ON - Sept. 2019 - Invited seminar

Canadian Astronomical Society Meeting Montreal, QC - Jun. 2019 - Invited talk

New York University, Department of Physics New York, NY - Apr. 2019 - Invited seminar

NASA Ames Research Center, SOFIA Science Center Mountain View, CA - April. 2019 - Invited colloquium - Cancelled due to security

American Physical Society Meeting Denver, CO - Apr. 2019 - Invited talk – declined

KITP, At the Crossroad of Physics and Machine Learning Santa Barbara, CA - Feb. 2019 - Invited talk

American Astronomical Society, ALMA Special Session Seattle, WA - Jan. 2019 - Invited talk

NeurIPS 2018, Bayesian Deep Learning Montreal, QC, Canada - Dec. 2018 - Invited talk and panelist

Harvard University, Department of Physics Cambridge, MA - Nov. 2018 - Invited seminar

Yale University, Department of Astronomy New Haven, CT - Nov. 2018 - Invited colloquium

National Radio Astronomy Observatory Charlottesville, VA - May 2018 - Invited colloquium

Texas A&M University College Station, TX - May 2018 - Invited seminar

American Physical Society Meeting Columbus, OH - Apr. 2018 - Invited talk

University of California Santa Barbara Santa Barbara, CA - Apr. 2018 - Invited seminar

Connecting The Dots, University of Washington Seattle, WA - Mar. 2018 - Invited plenary talk

University of Hawaii, Institute for Astronomy Honolulu, HI - Mar. 2018 - Astrophysics colloquium University of Hawaii, Department of Physics Honolulu, HI - Mar. 2018 - Physics colloquium

University of California Santa Cruz Santa Cruz, CA - Feb. 2018 - Astrophysics colloquium

University of Pittsburgh Pittsburgh, PA - Feb. 2018 - Astrophysics colloquium

The Ohio State University Columbus, OH - Nov. 2017 - CCAPP seminar

ALMA Long Baseline Workshop - NAOJ Kyoto, Japan - Oct. 2017 - Invited talk

University of British Columbia Vancouver, Canada - Sept. 2017 - Astrophysics colloquium

NRC Herzberg Astrophysics Center Victoria, Canada - Sept. 2017 - Astrophysics seminar

Al Seminar Series, SLAC Menlo Park, CA - Sept. 2017 - Invited seminar

University of California, Berkeley Berkeley, CA - Apr. 2017 - Cosmology seminar

The Carnegie Observatories Pasadena, CA - Mar. 2016 - Astrophysics colloquium

University of Arizona - Steward Observatory Tucson, AZ - Feb 2016 - Astrophysics colloquium

University of California, Santa Cruz Santa Cruz, CA - Feb. 2016 - Cosmology seminar

Astrophysics of Dark Matter Sesto, Italy - Feb. 2016 - Invited talk

National Radio Science Meeting Boulder, CO - Jan. 2016 - Invited talk

University of California, Davis Davis, CA - Jan. 2016 - Cosmology seminar

University of Pennsylvania Philadelphia, PA - Apr. 2015 - Astrophysics seminar

Rutgers University New Brunswick, NJ - Apr. 2015 - Astrophysics colloquium

Galaxies and Cosmology in Light of Strong Lensing, IPMU Tokyo, Japan - Nov. 2014 - Invited talk

Kavli Institute for Cosmological Physics at the University of Chicago Chicago, IL - Apr. 2014 - Astrophysics seminar Institute for Advanced Studies Princeton, NJ - Feb. 2014 - Astrophysics seminar

University of California, Santa Cruz Santa Cruz, CA - Feb. 2014 - Cosmology seminar

Galaxy Formation under the Magnifying Glass of Gravitational Lensing Courmayeur, Italy - Jun. 2013 - Invited talk

Dalhousie University Halifax, Canada - Apr. 2013 - Physics colloquium

The Royal Observatory Edinburgh, UK - Nov. 2012 - Astrophysics seminar

Institute for Computational Cosmology, Durham University Durham, UK - Nov. 2012 - Cosmology seminar

DAMTP, University of Cambridge Cambridge, UK - Nov. 2012 - Cosmology journal club talk

Kavli Institute for Cosmology, University of Cambridge Cambridge, UK - Nov. 2012 - Galaxy seminar

California Institute of Technology Pasadena, CA - Feb. 2012 - Obscos seminar

Institute of Astronomy, University of Cambridge Cambridge, UK - Nov. 2011 - Astrophysics seminar

Conferences, Workshops, and other talks

> Invited lecturere at ASTROSOMA Cosmology school Moscow, Russia - Jul. 2019 - Summer school

Halo Detection through Strong Lensing, University of Iceland Reykjavic, Iceland - Jun. 2018 - Workshop

Small-scale structure of cold dark matter program, KITP Santa Barbara, CA - Apr. 2018 - Seminar

Accelerating the Search for Dark Matter with Machine Learning, Lorentz Center Leiden, The Netherlands - Jan. 2018

The origin of galaxies, stars, and planets in the era of ALMA, Caltech Pasadena, CA - Nov. 2017 - Contributed talk

Galaxy-Halo Connection Program, KITP Santa Barbara, CA - Apr. 2017 - Extended visit

Half a Decade of ALMA: Cosmic Dawns Transformed Palms Spring, CA - Sep. 2016 - Contributed talk Galaxy Flows - Rencontres du Vietnam Quy Nhon, Vietnam - Jul. 2016 - Contributed talk

American Astronomical Society Meeting Seattle, WA - Jan. 2015 - Contributed talk

European Southern Observatory, SPT-SMG Collaboration Meeting Garching, Germany - Jul. 2014 - Contributed talk

Kavli Institute for Particle Astrophysics and Cosmology, Stanford University Stanford, CA - Feb. 2014 - Tuesday tea talk

Canadian Astronomical Society (CASCA) Quebec, Canada - Jun. 2014 - Contributed talk

American Astronomical Society, Probes of Dark Matter on Galaxy Scales Monterey, CA - Jul. 2013 - Contributed talk

South Pole Telescope Meeting, University of Chicago Chicago, IL - Jul. 2013 - Contributed talk

Canadian Astronomical Society (CASCA) Vancouver, Canada - May 2013 - Contributed talk

South Pole Telescope SMG Meeting, Caltech Pasadena, CA - Aug. 2012 - Contributed talk

The 13th Synthesis Imaging Workshop, NRAO Socorro, NM - Jun. 2012

SnowPac: Gravitational Lensing in the Age of Survey Science, University of Utah Snowbird, UT - Mar. 2012 - Contributed talk

First Light and Faintest Dwarfs: Extreme Probes of the Cold Dark Matter Paradigm Santa Barbara, CA - Mar. 2012

Caltech CASA Radio Analysis Workshop Pasadena, CA - Jan. 2012

South Pole Telescope Meeting, University of Chicago Chicago, IL - Jul. 2011 - Contributed talk

Hands-on Strong Gravitational Lensing Workshop - Excellence Cluster Universe Munich, Germany - Jun. 2011 - Contributed talk

Canadian Astronomical Society Conference, Saint Mary's University Halifax, Canada - May 2010 - Contributed talk

DUEL Cosmology and Gravitational Lensing Conference, Institut d'Astrophysique Paris, France - Sep. 2009

Canadian Astronomical Society Conference, University of Toronto Toronto, Canada - May 2009 - Poster presentation

Canadian Undergraduate Physics Conference, Simon Fraser University Vancouver, Canada - Oct. 2007 - Contributed talk

Canadian Undergraduate Physics Conference, University of New Brunswick Fredericton, Canada - Oct. 2006 - Contributed talk Public Talks

Benjamin Dean Astronomy Lecture

Morrison Planetarium - California Academy of Sciences San Francisco, CA - Aug. 2016

Other Public Lectures

- California Academy of Sciences (Dark Matter Day) San Francisco, CA Oct. 2017
- San Francisco Amateur Astronomy Presidio Lecture San Francisco, CA Aug. 2017
- San Jose Astronomy Association San Jose, CA Oct. 2016
- Astronomy on Tap Palo Alto, CA Apr. 2016
- McGill Astro Night Montreal, QC Apr. 2013

Service

Referee

- The Astrophysical Journal
- The Astrophysical Journal Letters
- The Astrophysical Journal Supplement Series
- Monthly Notices of the Royal Astronomical Society
- IEEE Access
- Astronomy and Computing

Reviewer

- NASA Earth and Space Science Student Fellowship
- Canadian Time Allocation Committee (James Clerk Maxwell Telescope)
- Canadian Time Allocation Committee (Gemini)