Juliana García-Mejía

	Junana Garcia-Mejia	
CONTACT INFORMATION	Harvard Astronomy Department 60 Garden Street, MS-10 Cambridge, MA 02138	juliana.garcia-mejia@cfa.harvard.edu julianagarcia-mejia.com in Ç
RESEARCH AREAS	 Principal Investigator of the <i>Tierras</i> Observatory, an ultra-precise ground-based M-Dwar photometer to search for temperate terrestrial planets, exo-moons and exo-rings. Co-Investigator in the FIOS project, a Fabry-perot instrument designed for use on the Gian Magellan Telescope to detect oxygen in exoplanet atmospheres. 	
APPOINTMENTS	51 Pegasi b Postdoctoral Fellow Department of Physics, Massachusetts Institute of T	2023-2026 Fechnology
	Pappalardo Postdoctoral Fellow Department of Physics, Massachusetts Institute of T	2026-2028 Cechnology
EDUCATION	 Harvard University, Cambridge, MA Ph.D. in Astronomy & Astrophysics Dissertation: The Tierras Observatory Advisor: David Charbonneau A.M. in Astronomy & Astrophysics 	May 2023 (Expected) May 2020
	 Harvard College, Cambridge, MA A.B. in Astrophysics & Physics, cum laude and Honors Thesis: Searching for 55 Cancri g: A I Advisors: John Johnson & Jason Eastman 	May 2017 Γhesis Honors
FELLOWSHIPS & AWARDS	 Graduate School Fellowships Ford Foundation Graduate Research Fellowship (NSF Graduate Research Fellowship (\$37k/year, 3 	, ,
	 Awards & Honors Rodger Doxsey Travel Prize, 241st American Ast Consortium Member, Harvard Origins of Life Init GSAS Professional Development Fund Award (\$2 Harvard Horizons Scholar, Harvard University Derek Bok Center Certificate of Distinction in Terms Astronomy 1 (The Big Questions of Astronomy – Astronomy 17 (Galactic & Extragalactic Astronomy 17. T. Hoopes Prize for Outstanding Undergraduate Chambliss Astronomy Achievement Award, 229th 	iative 2021-2023 .5k), Harvard University 2022 aching, Harvard University (*) 2020 nomy) 2019 te Thesis, Harvard College 2017
PUBLICATIONS	 García-Mejía, J., Charbonneau, D., Fabricant herty P.E. "The <i>Tierras</i> Observatory: An Ultra-I Terrestrial Exoplanets," 2020, <i>Proc. SPIE</i> 1144 VIII, 114457R. 	Precise Photometer to Characterize Nearby

- VIII, 114457R.
- 5. Rukdee, S., Ben-Ami, S., Szentgyorgyi, A., López-Morales, M., Charbonneau, D., García-Mejía, J., "Characterization of a multi-etalon array for ultra-high resolution spectroscopy," 2020, Proc. SPIE 11447, Ground-based and Airborne Telescopes VIII, 114471N.
- 4. Giovinazzi, Mark R., Blake C. H., Eastman J. D., et al [incl García-Mejía, J.] "The HD217107 planetary system: Twenty years of radial velocity measurements," 2020, Astronomische Nachrichten, 341, 870.
- 3. Wilson, M. L., Eastman, J. D., Cornachione, M. A. et al [incl. García-Mejía, J.] "First Radial Velocity Results From the MINiature Exoplanet Radial Velocity Array (MINERVA)," 2019, PASP, 131, 1005, pp. 115001-115019.

- López-Morales, M., Ben-Ami, S., Gonzalez-Abad, G., García-Mejía, J., Dietrich, J., Szent-gyorgyi, A., "Optimizing Ground-based Observations of O2 in Earth Analogs," 2019, AJ, 158, 24.
- Ben-Ami, S., López-Morales, M., García-Mejía, J., Gonzalez-Abad, G., Szentgyorgyi, A., "High-resolution Spectroscopy Using Fabry-Perot Interferometer Arrays: An Application to Searches for O2 in Exoplanetary Atmospheres," 2018, ApJ, 861, 79.

FUNDING PROPOSALS

Harvard Origins of Life Initiative Facilities Fund Award - \$200k

2019

The *Tierras* Observatory: An Ultra-Precise Photometer to Characterize Nearby Terrestrial Exoplanets. PI: García-Mejía, J., Co-Is: Charbonneau, D., Irwin, J., Fabricant, D.

TEACHING APPOINTMENTS

Harvard University

Guest Lecturer – Astronomy 110

Nov 2022

Undergraduate-level introduction to Exoplanets.

Course Head: Prof. John Johnson.

Lecture Title: "Building an Observatory to Find Terrestrial Planets" (28 Nov 2022, 1.25 hr).

Guest Lecturer – Astronomy 214

June 2022

Graduate-level introduction to astronomical instrumentation.

Course Head: Prof. Daniel Eisenstein.

Lecture Title: "Design Principles of the *Tierras* Observatory" (5 June 2022, 2.0 hr).

Teaching Fellow – Astronomy 1

Fall 2019

Large (90 student) introductory class discussing the big questions in astronomy.

Course Head: Prof. David Charbonneau.

Delivered guest lecture at the course head's request.

Lecture Title: "The Lives and Deaths of Small Stars" (29 Oct 2019, 1.25 hr).

Teaching Fellow – Astronomy 17

Fall 2018

Introductory galactic & extragalactic astronomy class.

Course Head: Prof. Daniel Eisenstein.

Academic Tutor — Bureau of Study Counsel

2015-2018

Guided undergraduate students through class materials and problems sets in: Math 1b (Calculus, Series, and Differential Equations), Physics 143 A (Quantum Mechanics I), Astronomy 16 (Introductory Solar and Planetary Astronomy).120 hours completed. Paid position.

Academic Tutor & Proctor – Harvard Summer School

Summer 2016

Guided high school students through class materials and problems sets in: Physics 17215 (An Introduction to Astrophysics). 30 hours completed. Volunteer position.

SELECTED INSTRUMENT & HARDWARE EXPERIENCE

As Principal Investigator of The Tierras Observatory

• Project Manager & Instrument Lead

⇒ Managed project schedule, budget, and team. Led telescope refurbishment and preparedness effort. Led all *Tierras* subsystem lab (design, construction, and testing) efforts. Prepared pre-ship review, incl. detailed installation and commissioning procedures. Led all on-site commissioning efforts. Kept detailed documentation (written and recorded) of daily progress on all project fronts.

• CCD Camera Sub-Assembly Manager

 \Rightarrow Collaborated with vendor to customize CCD dewar and define system specs. Collaborated with lead CCD scientist to test sub-assembly in the laboratory.

• Software Co-Developer

⇒ Inherited telescope control software & data reduction pipeline code from MEarth project. Collaborated with lead software developer to adapt both for the *Tierras* Observatory. Tested software on-sky.

• Telescope Baffle Designer & Builder

⇒ Carried out ray trace analysis and stray-light analysis to define critical surfaces. Wrote software to monitor baffle loads in real-time. Designed, fabricated, and assembled *all* baffle and interface components in-house. Installed on telescope.

• TRIOPTICS OptiCentric User

⇒ Precision-aligned and bonded the *Tierras* Observatory optics, filter, and bezels, including the CCD dewar window. 1000+ hour effort.

• Custom Filter Designer

⇒ Carried out trade study to determine filter parameters that minimize precipitable water vapor error in photometric data. Simulation included realistic telescope and instrument specifications, and filter parameterization accounted for manufacturing limitations. Collaborated with vendor to manufacture filter.

• Zemax OpticStudio User

⇒ Designed, optimized, and carried out element, surface, and ghost tolerance analyses of a fourelement focal reducer and field flattener for the *Tierras* Observatory. Modelled effect of selfweight deformation on optical performance.

Other Facilities/Training

- The Clay Telescope Maintenance Volunteer Astronomy Undegraduate Teaching Lab, Harvard University
 - ⇒ Collaborated with laboratory manager to adapt lab, telescope, and dome for remote observing and teaching during the COVID-19 pandemic. Led re-design, fabrication and installation of adaptor plate for new CCD.
- MINERVA Commissioning/Upkeep Team Member FLWO, Arizona.
 - ⇒ 2015-2017: Traveled to the MINIature Exoplanet Radial Velocity Array (MINERVA) twice per semester. Installed KiwiSpec, a 1 m/s single-shot spectrograph. Led snow-protection plan for domes. Routed 50-m science fibers from the spectrograph underground to each of the four telescopes (2x).
- TRES (Tillinghast Reflector Echelle Spectrograph) Intern FLWO, Arizona.
 - ⇒ 2015-2016: Carried out a design study to install an Iodine cell onto the TRES Front End. Designed and built a new thermal enclosure for the front end.
- 11 GHz Antenna Builder Smithsonian Astrophysical Obervatory
 - ⇒ Spring 2016: Built 11 GHz radiometer in collaboration with SAO's CMB lab. Used it to carry out first-ever measurements of the CMB temperature at 11 GHz.
- Certified Machinist Instructional Machine Shop, Physics Department, Harvard University
 - ⇒ Awarded GREEN machining certification after demonstrating proficiency operating and programming mills, lathes, band saws, and 3D printers. 100 hours completed.

OBSERVING EXPERIENCE

- Tierras Observatory (1.3 m) F.L.Whipple Observatory, Arizona (150+ nights)
- The Clay Telescope (0.4 m) Harvard AstroLab, Massachusetts (32 nights)
- MINERVA (0.7 m, array of 4) F.L.Whipple Observatory, Arizona (10 nights)
- The SMA (6 m, array of 8) Mauna Kea Observatory, Hawaii (7 nights)
- 11 GHz Antenna SAO, Massachusetts (1 night)
- Millimeter Wave Telescope (1.2 m) SAO, Massachusetts (2 nights)

SELECTED SCIENCE TALKS

& POSTERS

Invited Talks & Seminars

MIT Planetary Lunch Seminar (Cambridge, MA)	April 2023
University of Chicago Astro Lunch Talk (Chicago, IL)	Jan 2023
CfA Special Colloquium (Cambridge, MA)	Jan 2023
The Ohio State University Astronomy Colloquium (Columbus, OH)	Dec 2022
MIT Brown Bag Seminar (Cambridge, MA)	Oct 2022
Carnegie EPL Astronomy Seminar (webinar)	Sep 2022
Boston University Special Seminar (Cambridge, MA)	Sep 2022
Caltech Planetary Sciences Group Luncheon (webinar)	Aug 2022
CfA ITC Luncheon Series (Cambridge, MA)	March 2022
SAO Central Engineering Division Meeting (webinar)	Sep 2021
CfA Solar, Stellar, and Planetary Sciences Division Meeting (webinar)	Aug 2021
Harvard Origins of Life Initiative Chalk Talk Lecture (Cambridge, MA)	March 2021
Harvard Astronomy Department Research Forum (webinar)	March 2021
The Ohio State University Exoplanet Talk Series (webinar)	Feb 2021
SAO Advisory Board Meeting (webinar)	Oct 2020
Exoplanet Summer Student Seminar Series (webinar)	July 2020
CfA Exoplanet Pizza Lunch Series (Cambridge, MA)	Sep 2019

	Dr. Thomas Zurbuchen Visit to the CfA (Cambridge, MA)	$\mathrm{Dec}\ 2018$
	Contributed Talks American Astronomical Society Meeting #241, Dissertation talk (Seattle, WA) American Astronomical Society Meeting #240 (Pasadena, CA) Colombian Conf. of Astronomy & Astrophysics (Medellín — Colombia) TESS Science Conference I (Cambridge, MA) High-Resolution Spectroscopy for Exo-Atmospheres Conf. (Nice — France)	Jan 2023 June 2022 Oct 2019 Aug 2019 Oct 2018
	Posters Rocky Worlds II (Oxford — UK) Exoplanets IV (Las Vegas, NV) SPIE Astronomical Telescopes & Instrumentation Digital Forum (webinar) Extreme Solar Systems IV (Reykjavík — Iceland) WiSTEM Conference (Cambridge, MA) American Astronomical Society Meeting #229 (Grapevine, TX)	July 2022 May 2022 Dec 2020 Aug 2019 Jan 2017 Jan 2017
SELECTED PUBLIC TALKS	Exploring Exoplanets with NASA's Universe of Learning (Webinar) Talk title: "How Do We Find Exoplanets" (20 min).	April 2022
	Harvard Horizons Symposium (Cambridge, MA) Talk title: "The Tierras Observatory" (7 min).	April 2022
	University of Antioquia Astronomy Club (Medellín – Colombia) Talk title: "The Search for Exoplanets" (1 hr).	Nov 2021
	Chelsea High School Visiting Speaker (Chelsea, MA) Talk title: "How to Find an Exoplanet" (20 min).	Nov 2019
	Susan B. Anthony Middle School Guest Lecture (Revere, MA) Talk title: "Stars, Exoplanets, & My Journey to Astronomy" (30 min).	Dec 2018
	Girls in STEM Summer Camp Symposium Keynote (Allston, MA) Talk title: "The TESS Satellite & the Search for Life in the Universe" (20 min).	Aug 2018
SELECTED	The Tierras Observatory Bilingual YouTube Channel — Founder/Editor	2019-2023

SELECTED OUTREACH

Created bilingual (Spanish & English) YouTube channel to showcase the process of building an observatory and a new instrument, as well as to teach students about exoplanet science. Filmed, edited, and posted multiple 5-10 min videos.

The *Tierras* Official Logo Contest – Creator/Organizer

Organized country-wide contest for students in Colombia to design the official logo of the Tierras Observatory. Parsed through 150 submissions, and selected winning logo. Collaborated with Colombian graphic designers and the contest winner to improve the logo. Collaborated with Colombian government to promote the competition and announce the winners via educational YouTube live webinars. Raised funding to gift branded paraphernalia to participants.

Project Teach @ The Harvard Ed Portal — Recurring Instructor

2018-2022

Harvard's official college and career awareness program for Cambridge & Boston middle school students. Developed and taught 2-hr workshops at the Harvard Astronomy Lab.∼2 workshops/yr. Titles: "The Sun and Its Properties", "How to Detect an Exoplanet".

Belmont Day Middle School STEM Capstones — Inaugural Instructor

Spring 2022

Established a partnership for Harvard graduate students to advise middle school students in laboratorybased capstone workshops related to astronomy. Developed and taught first 2-hour capstone workshop at the Harvard Astronomy Lab.

Title: "How to Detect an Exoplanet Atmosphere".

WorldWide Telescope Ambassadors Program – Ambassador/Contributor

2015-2019

Free, open-source AAS-managed online visualization platform offering immersive views of the cosmos. Contributed custom virtual tours in English and Spanish. Led WWTA outreach booths at the Cambridge Science Festival (April 2015-2019), The New York Science Festival (May 2015) and the AAS meeting #227 (Jan 2016).

DIY Planet Search Website - Translator/Contributor

Official CfA website for students to program observations, analyze data, and discover exoplanets with the MicroObservatory Robotic Telescope Network. Translated the website's contents to Spanish. Led interactive hour-long workshops in Physics/AP Physics classrooms at predominantly Spanish-speaking high schools in MA. Led webinars introducing exoplanets to DIY users and educators.

Designed and led free week-long summer camp to empower middle school girls from underserved neighborhoods in Boston and Allston (MA) to pursue careers in STEM. Developed and taught a 40-hr curriculum centered around the search for life in the Universe. Coordinated and hosted summer camp at the Harvard Ed Portal. Clubes de Ciencia Colombia (Science Clubs Colombia) – Instructor Free week-long summer camp designed to empower under-served high school students in Colombia to pursue careers in STEM. Developed and taught a hands-on 40-hr curriculum (in Spanish) centered around the search for exoplanets using robotic telescopes. ADVISING & Víctor Samuel Pérez Díaz, Universidad del Rosario (Colombia) 2022-**MENTORSHIP** (currently a CfA intern, applying to PhD programs) Mentored through the Harvard Colombian Society Grad Application Mentorship Program Sebastian Morales, McGill University (Canada) 2021-2022 (now incoming PhD student, Harvard Biology) Mentored through the Harvard Colombian Society Grad Application Mentorship Program Ana Humphrey, Harvard College 2021-2022 Mentored through the Harvard Women in Science, Technology, Engineering, and Math (WiSTEM) Mentorship Program Michelle Lin, Harvard College 2020-2021 Mentored through the Harvard WiSTEM Mentorship Program Sebastian Ruiz-Lopera, Universidad EAFIT (Colombia) 2020-2021 (now PhD student, MIT Electrical Engineering & Computer Science) Mentored independently 2020 Sideena Grace, Hamline University (now S.M. student, MIT Aeronautics & Astronautics) Mentored through the Women+ of Color Project (W+OCP) Juan Sebastian Aguiar Castrillón, Universidad EAFIT (Colombia) 2020 Mentored through Clubes de Ciencia Colombia Keysha Rosado, UMass Lowell Summer 2020 Mentored through the CfA Latino Initiative Program Jordan Sanchez, Harvard College 2019-2020 Mentored through the Harvard WiSTEM Mentorship Program Mma Ikwut-Ukwa, Harvard College 2019-2020 (now incoming PhD student, Caltech Planetary Sciences) Mentored through the Harvard WiSTEM Mentorship Program Mahlet Shiferaw, Harvard College 2018-2020 (now PhD student, Stanford Astrophysics) Mentored through the Harvard WiSTEM Mentorship Program Elias Aguirre Contreras, UMass Lowell Summer 2019 (now Mechanical Engineer, CfA | Harvard & Smithsonian) Mentored through the CfA Latino Initiative Program SELECTED Oct 2022 Harvard Undergraduate AstroSoc: Applying to Graduate School INVITED Harvard University: Applying to Harvard Horizons Oct 2022 **PANELS** CfA Summer REU Symposium: Winning the NSF Research Fellowship Aug 2022 Harvard University: Expanded Horizons May 2022 CfA: First Girl to the Moon! March 2021 W+OCP Grad School 101 Workshop: Choosing a Graduate School Oct 2020 Jesus College, Oxford: Are we alone in the Universe? Sep 2020 Wellesley College: Equity, Inclusion & WOC in STEM April 2020 Latina Empowerment and Development Conf.: Navigating Grad School Feb 2020 CfA Latino Initiative Program: Making an Effective Poster July 2019 Jan 2019 Harvard-Radcliffe Women's Leadership Conference: Life after Undergrad

Girls in STEM Summer Camp @ Harvard - Organizer/Instructor

Aug 2018

LEADERSHIP & SERVICE

Department Leadership & Service

CfA ECA Workshop Series – Board Member/Contributor

2022-2023

Founding board member of the CfA Early Career Astronomer's (ECA) Workshop Series, offering practical resources and trainings to empower ECAs to build successful careers and cultivate a healthy work/life balance. Helped lead $\sim 2-3$ workshops/semester.

CfA DEI Committee – Co-Founder/Graduate Student Representative

2020-202

Co-founded the CfA Diversity, Equity & Inclusion (DEI) Committee to address climate-related concerns and promote community-building. Contributed to the CfA's official Statement of Shared Values and DEI resource website. Led CfA-wide town hall (200 participants) to discuss 2020 climate survey report and brainstorm community-building strategies. ~ 2 meetings/semester.

Graduate Student Mentorship Program — Recurring Peer Mentor

2019-2022

Served as peer mentor to first-year graduate student WOC and women interested in astronomical instrumentation. Mentees: Marissa Maney (2021-2022), Osase Omoruyi (2020-2021), Miranda Eiben (2019-2020).

Harvard Physics W+OCP Grad School 101 Workshop – Consultant

Fall 2019

Primary consultant and advisor to LaNell Williams, founder of the Women+ of Color Project 101 Workshop at the Harvard Physics Department. Provided feedback on workshop trainings, schedule, logistics, and application reviews. 35 hours.

The Banneker Institute REU - Public Speaking Instructor

Summer 2019

The Banneker Institute Research Experience for Undergraduates targets students historically marginalized from STEM fields. Prepared cohort of eight students for end-of-summer research symposium via weekly public speaking lessons. 1-hr/wk, 10 weeks.

CfA EIJC – Co-organizer

Spring 2019

The CfA Equity and Inclusion Journal Club (EIJC). Selected weekly discussion topics, identified discussion leaders, led breakout sessions, and arranged lunch catering with minority-owned businesses. 6-hr/wk, 12 weeks.

Dr. Thomas Zurbuchen Visit to the CfA – Invited Speaker

Dec 2018

CfA Visit by the Associate Administrator for the Science Mission Directorate at NASA, Dr. Thomas Zurbuchen. Invited by former CfA director, Charles Alcock, to present in front of Dr. Zurbuchen on upcoming oxygen searches with GMT-GCLEF & FIOS.

Institutional Service

Harvard Graduate School of Arts & Sciences — Featured University Scholar

2022-

Collaborated with GSAS to record media and host events for Harvard's leadership. Selected examples include:

- ⇒ Invited by GSAS Dean Emma Dench to present on *Tierras* and STEM DEIB efforts at Harvard's Board of Overseers Meeting (Dec 3, 2022).
- \Rightarrow Featured scholar in celebratory materials for GSAS's 150th anniversary, including printed and email correspondence, as well as social media channels and pole banners.

EAFIT University – Undergraduate Thesis Committee Member

June 2020

Served in student Daniela Cadavid Henao's Senior undergraduate thesis committee. Revised 62-page written thesis. Planned and executed student's oral examination. Recommended student for honors. Thesis Title: Development of an Algorithm for Photometric Data Analysis.

Conference Service

241st AAS Meeting Chambliss Competition – Poster Judge

Jan 2023

FUNDRAISING EXPERIENCE

Harvard University Donor Relations & Engagement Office — Invited Scholar

2022

Guest scholar at the Global Advisory Council meeting kick-off event, at Harvard's new Science & Engineering Complex. Spoke to donors about Tierras and exoplanet instrumentation over breakfast.

Harvard Alumni Affairs & Development Office — Featured University Scholar

2022

Featured in printed and email correspondence for alumni and donors of the Graduate School of Arts & Sciences (GSAS) and the Faculty of Arts & Sciences (FAS). Recurringly featured in GSAS and FAS social media channels.

CfA Office of Advancement & External Affairs – Guest Scientist

2019-2022

Collaborated with the CfA Office of Advancement & External Affairs to record media and host events for potential donors. Selected examples:

- \Rightarrow Donor Symposium Talk: The *Tierras* Observatory
- ⇒ Official Mission Video: The CfA: Answering Humanity's Greatest Questions
- \Rightarrow Harvard Business School DIALOGUE @ Nite
 - Exhibit: Unlocking the Mysteries of the Universe (approx. 200 attendees).
- ⇒ John F. Kennedy Museum Space Summit
 - Exhibit: The Giant Magellan Telescope (approx. 1000 attendees).

SELECTED MEDIA FEATURES Full Page Spread - Harvard GSAS Colloquy Magazine

150 Year Anniversary Edition - Out of This World, Page 3

Podcast - Harvard GSAS Website

June 2022

Summer 2022

Harvard Horizons Podcast: The Search for Other Earths

Article – Harvard Magazine

April 2022

Harvard Horizons Spotlights Seven Scholars by Jacob Sweet.

Article – Harvard GSAS Website

April 2022

Final Frontier: Harvard Horizons Scholars advance the boundaries of knowledge—and imagination—in search for new worlds by Paul Massari.

Webinar (Spanish) - Ruta-N YouTube Channel

Jan 2022

Let's Talk Astrophysics! hosted by Alejandro Roldán. Ruta N is the Center for Education, Business, and Innovation of Medellín (Colombia), sponsored by the Mayor's office.

Article – The Harvard Gazette

Sep 2021

Quick, hand me my worm pick by Juan Siliezar.

News Segment & Article - CBS Boston Evening News & Website

March 2021

Melrose High School Senior Organizes Webinar To Highlight Women Role Models In The Space Industry by Sarah Wroblewski.

Webinar (Spanish) — Ruta-N YouTube Channel

Nov 2020

What does an Astrophysicist do? hosted by Alejandro Roldán.

Webinar - 24 Hours of Harvard - Worldwide at Harvard 2020

Oct 2020

Are We Alone in the Universe? The Giant Magellan Telescope in Las Campanas, Chile.

Webinar (Spanish) — Mayor's Office, City of Medellín (Colombia)

July 2020

Talented Women Contest: Conversations with Talented Women hosted by Juliana Martinez Londoño, Medellín's Secretary for Women's Issues.

Podcast (Spanish) - AMEBAS Talk Science

July 2020

The Search for other Earths Continues hosted by Dr. Jorge Zuluaga, Astronomy Professor at the University of Antioquia (Colombia).

Article (Spanish) – El Colombiano Newspaper

June 2018

July 2018

July 2017

Harvard Grad Teaches Astronomy to Colombian Students by Daniel Quintero Mesa.

PROFESSIONAL SOCIETIES & GROUPS

TESS Follow-Up Observing Program, Sug-Group 1 (TFOP-SG1)

American Astronomical Society (AAS; divisions DPS and LAD)

Harvard Women in Physics (WiP)

Harvard Graduate Women in Science and Engineering (HGWISE)

Harvard-Radcliffe Society of Physics Students

20222017-2023
2017-2023

WORKSHOPS

ComSciCon 2018 National Workshop (Boston, MA)

Dunlap Instrumentation Summer School (Toronto - Canada)

OTHER SKILLS & TRAINING Software Tools & Packages

• Zemax OpticStudio, GSolver, SOLIDWORKS, Github, ds9, MIR, Miriad, MESA, CASA, LaTeX.

Programming Languages

• Python, MATLAB, Mathematica, IDL, C.

OS Proficiency

• Linux, Mac OS X, Windows.

Languages

• Spanish (Native Proficiency), English (Native Proficiency), German (Limited Working Proficiency).

References available upon request.

Last updated: February 25, 2023.