

Chih-Chun “Dino” Hsu

Center for Interdisciplinary Exploration and Research in Astrophysics, Northwestern University
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CURRENT POSITION	Postdoctoral Associate Center for Interdisciplinary Exploration and Research in Astrophysics, Northwestern University, Evanston, IL Supervisor: Jason Jinfei Wang	2022–present
EDUCATION	University of California, San Diego , La Jolla, CA, USA Doctor of Philosophy (Ph.D.) in Physics Thesis: “Kinematics, Multiplicity, Rotational Dynamics, and Population Properties of Ultracool Dwarfs Inferred from High-Resolution Near-Infrared Spectroscopy” Advisor: Adam J. Burgasser	August 2022
	National Tsing Hua University , Hsinchu, Taiwan Bachelor of Science (B.S) in Physics	June 2014
RESEARCH INTERESTS	lowest-mass stars; brown dwarfs; exoplanets; medium-/high-resolution spectroscopy; very low-mass binaries; stellar populations; stellar kinematics; stellar rotation	
RESEARCH EXPERIENCE	Postdoctoral Associate Center for Interdisciplinary Exploration and Research in Astrophysics, Northwestern University, Evanston, IL Supervisor: Jason Jinfei Wang	2022–present
	Graduate Research Student Center for Astrophysics and Space Sciences, UC San Diego, La Jolla, CA Advisor: Adam J. Burgasser	2016–2022
	Research Assistant Institute of Astronomy, National Tsing Hua University, Hsinchu, Taiwan Supervisor: Huei-Ru “Vivien” Chen	2015–2016
	Undergraduate Research Student Physics Department, National Tsing Hua University, Hsinchu, Taiwan Advisor: Kingman Cheung	2013–2014
ACADEMIC HONORS & AWARDS	Cool Stars 21 Travel Grant Cool Stars 21 st Meeting, Toulouse, France	July 2022
	Rodger Doxsey Travel Prize AAS 240 th Meeting, Pasadena, CA Awarded for providing graduate students/postdocs within one year of receiving or receipt of their PhD a monetary prize to enable the oral presentation of their dissertation research (transferred from the AAS 239 th Meeting).	June 2022
	Friends of the International Center fellowship	2020

UC San Diego, La Jolla, CA
 Awarded for promoting international friendship, understanding, and cooperation.

Carol and George Lattimer Award for Graduate Excellence 2019–2020
 UC San Diego, La Jolla, CA
 Awarded to graduate students in the Divisions of Physical Sciences who seek interdisciplinary approaches to problem-solving and have a strong commitment to education, mentorship, and service.

Physics Chair’s Challenge Award * 3 2017, 2018, 2022
 UC San Diego, La Jolla, CA
 Awarded for supporting educational excellence and training for physics students.

Physics Excellence Award 2016
 UC San Diego, La Jolla, CA
 Awarded to highly qualified students admitted to the Physics PhD program.

College of Science Elite Student Award * 3 2012–2014
 National Tsing Hua University, Hsinchu, Taiwan
 Awarded to the top student of class based on academic achievements.

Academic Achievement Award * 5 2011–2014
 National Tsing Hua University, Hsinchu, Taiwan
 Awarded to top 5 % of class.

College of Science Scholarship 2013
 National Tsing Hua University, Hsinchu, Taiwan
 Awarded to one student in College of Science based on academic achievements.

FIRST AUTHOR PUBLICATIONS

- [4] **Hsu, C.**; Burgasser, A. J.; Theissen, C. A.; Gelino, C. R.; Birky, J. L.; Diamant, S. J. M.; Bardalez Gagliuffi, D. C.; Aganze, C.; Blake, C. H.; Jacqueline K. Faherty, “The Brown Dwarf Kinematics Project (BDKP). VI. Radial and Rotational Velocities of late-M and L Dwarfs from Keck/NIRSPEC High-Resolution Spectroscopy”, in prep.
- [3] **Hsu, C.**; Burgasser, A. J.; Theissen, C. A.; Birky, J. L.; Aganze, C.; Gerasimov, R.; Schmidt, S. J.; Blake, C. H.; Covey, K. R.; Moreno-Hilario, E., “*Ultracool Dwarf Radial and Rotational Velocity Survey with SDSS/APOGEE High-Resolution Spectrometer*”, in prep.
- [2] **Hsu, C.**; Burgasser, A. J.; Bardalez Gagliuffi, D. C.; Sahlmann, Johannes; Theissen, C. A., “2MASS J21265916+7617440: A Long Period Brown Dwarf Binary System”, in prep.
- [1] **Hsu, C.**; Burgasser, A. J.; Theissen, C. A.; Gelino, C. R.; Birky, J. L.; Diamant, S. J. M.; Bardalez Gagliuffi, D. C.; Aganze, C.; Blake, C. H.; Faherty, J. K., “The Brown Dwarf Kinematics Project (BDKP). V. Radial and Rotational Velocities of T Dwarfs From Keck/NIRSPEC High-Resolution Spectroscopy”, ApJS 257, 45, December 2021.

CONTRIBUTING AUTHOR PUBLICATIONS

- [13] Kiwy, Frank; Faherty, Jacqueline K.; Meisner, Aaron; Schneider, Adam C.; Kirkpatrick, J. Davy; Kuchner, Marc J.; Burgasser, Adam J.; Casewell, Sarah; Kiman, Rocío; Calamari, Emily; Aganze, Christian; **Hsu, Chih-Chun**; Sainio, Arttu; Thakur, Vinod; The Backyard Worlds: Planet 9 Collaboration, “Discov-

- ery of 34 low-mass comoving systems using NOIRLab Source Catalog DR2”, *AJ*, 164, 3, July 2022
- [12] Aganze, Christian; Burgasser, Adam J.; Malkan, Mathew; Theissen, Christopher A.; Tejada Arevalo, Roberto A; **Hsu, Chih-Chun**; Bardalez Gagliuffi, Daniella C.; E Ryan, Russell, Jr; Holwerda, Benne, “Beyond the Local Volume II: Population Scaleheights and Ages of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields”, *ApJ*, 934, 73, July 2022
 - [11] Softich, Emma; Schneider, Adam C.; Patience, Jennifer; Burgasser, Adam J.; Shkolnik, Evgenya; Faherty, Jacqueline K.; Caselden, Dan; Meisner, Aaron M.; Kirkpatrick, J. Davy; Kuchner, Marc J.; Gagne, Jonathan; Bardalez-Gagliuffi, Daniella; Cushing, Michael C.; Casewell, Sarah L.; Aganze, Christian; **Hsu, Chih-Chun**; Andersen, Nikola; Stevnbak; Kiwy, Frank; Thevenot, Melina; The Backyard Worlds: Planet 9 Collaboration, “CWISE J014611.20-050850.0AB: The Widest Known Brown Dwarf Binary in the Field”, *ApJL*, 922, L12, February 2022
 - [10] Faherty, Jacqueline K; Gagne, Jonathan; Popinchalk, Mark; Vos, Johanna M.; Burgasser, Adam J.; Schumann, Jorg; Schneider, Adam C.; Kirkpatrick, J. Davy; Meisner, Aaron M.; Kuchner, Marc J.; Bardalez Gagliuffi, Daniella C.; Marocco, Federico; Caselden, Dan; Gonzales, Eileen C.; Rothermich, Austin; Casewell, Sarah L.; Debes, John H.; Aganze, Christian; Ayala, Andrew; **Hsu, Chih-Chun**; Cooper, William J.; Smart, R. L.; Gerasimov, Roman; Theissen, Christopher A.; The Backyard Worlds: Planet 9 Collaboration, “A Wide Planetary Mass Companion Discovered Through the Citizen Science Project Backyard Worlds: Planet 9”, *ApJ*, 923, 48, December 2021
 - [9] Aganze, Christian; Burgasser, Adam J.; Malkan, Mathew; Theissen, Christopher A.; Tejada Arevalo, Roberto A; **Hsu, Chih-Chun**; Bardalez Gagliuffi, Daniella C.; E Ryan, Russell, Jr; Holwerda, Benne, “Beyond the Local Volume I: Surface Densities of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields”, *ApJ*, 924, 144, January 2022
 - [8] Schneider, Adam C.; Meisner, Aaron M.; Gagne, Jonathan; Faherty, Jacqueline K.; Marocco, Federico; Burgasser, Adam J.; Kirkpatrick, J. Davy; Kuchner, Marc J.; Gramaize, Leopold; Rothermich, Austin; Brooks, Hunter; Vrba, Frederick J.; Bardalez Gagliuffi, Daniella; Caselden, Dan; Cushing, Michael C.; Gelino, Christopher R.; Line, Michael R.; Casewell, Sarah L.; Debes, John H.; Aganze, Christian; Ayala, Andrew; Gerasimov, Roman; Gonzales, Eileen C.; **Hsu, Chih-Chun**; Kiman, Rocio; Popinchalk, Mark; Theissen, Christopher; Backyard Worlds: The Planet 9 Collaboration, “Ross 19B: An Extremely Cold Companion Discovered via the Backyard Worlds: Planet 9 Citizen Science Project”, *ApJ*, 921, 150, November 2021
 - [7] Theissen, C. A.; Konopacky, Q. M.; Lu, J. R.; Kim D.; Zhang, S. Y.; **Hsu, C.**; Chu, L.; Wei, L., “The 3-D Kinematics of the Orion Nebula Cluster: NIRSPECAO Radial Velocities of the Core Population”, *ApJ*, 926, 141, February 2022
 - [6] Meisner, Aaron M.; Schneider, Adam C.; Burgasser, Adam J.; Marocco, Federico; Line, Michael R.; Faherty, Jacqueline K.; Kirkpatrick, J. Davy; Caselden, Dan; Kuchner, Marc J.; Gelino, Christopher R.; Gagne, Jonathan; Theissen, Christopher; Gerasimov, Roman; Aganze, Christian; **Hsu, Chih-Chun**; Wisniewski, John P.; Casewell, Sarah L.; Bardalez Gagliuffi, Daniella C.; Logsdon, Sarah E.; Eisenhardt, Peter R. M., “New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project”, *ApJ*, 915, 120, July 2021

- [5] J. Davy Kirkpatrick; Christopher R. Gelino; Jacqueline K. Faherty; Aaron M. Meisner; Dan Caselden; Adam C. Schneider; Federico Marocco; Alfred J. Cayago; R. L. Smart; Peter R. Eisenhardt; Marc J. Kuchner; Edward L. Wright; Michael C. Cushing; Katelyn N. Allers; Daniella C. Bardalez Gagliuffi; Adam J. Burgasser; Jonathan Gagne; Sarah E. Logsdon; Emily C. Martin; James G. Ingalls; Patrick J. Lowrance; Ellianna S. Abrahams; Christian Aganze; Roman Gerasimov; Eileen C. Gonzales; **Chih-Chun Hsu**; Nikita Kamraj; Rocio Kiman; Jon Rees; Christopher Theissen; Kareem Ammar; Nikolaj Stevnbak Andersen; Paul Beaulieu; Guillaume Colin; Charles A. Elachi; Samuel J. Goodman; Leopold Gramaize; Leslie K. Hamlet; Justin Hong; Alexander Jonkeren; Mohammed Khalil; David W. Martin; William Pendrill; Benjamin Pumphrey; Austin Rothermich; Arttu Sainio; Andres Stenner; Christopher Tanner; Melina Thevenot; Nikita V. Voloshin; Jim Walla; Zbigniew Wedrcki; “The Field Substellar Mass Function Based on the Full-sky 20-pc Census of 525 L, T, and Y Dwarfs”, *ApJS*, 253, 7, March 2021
- [4] Sahlmann, Johannes; Dupuy, Trent J.; Burgasser, Adam J.; Filippazzo, Joseph C.; Martín, Eduardo L.; Bardalez Gagliuffi, Daniella C.; **Hsu, Chih-Chun**; Lazorenko, Petro F.; Liu, Michael C., “Individual Dynamical Masses of DENIS J063001.4–184014AB Reveal A Likely Young Brown Dwarf Triple”, *MNRAS*, 500, 5453, January 2021
- [3] Meisner, Aaron M.; Faherty, Jacqueline K.; Kirkpatrick, J. Davy; Schneider, Adam C.; Caselden, Dan; Gagné, Jonathan; Kuchner, Marc J.; Burgasser, Adam J.; Casewell, Sarah L.; Debes, John H.; Artigau, Étienne; Bardalez Gagliuffi, Daniella C.; Logsdon, Sarah E.; Kiman, Rocio; Allers, Katelyn; **Hsu, Chih-Chun**; Wisniewski, John P.; Allen, Michaela B.; Beaulieu, Paul; Colin, Guillaume Durantini Luca, Hugo A.; Goodman, Sam; Gramaize, Léopold; Hamlet, Leslie K.; Hinckley, Ken; Kiwy, Frank; Martin, David W.; Pendrill, William; Rothermich, Austin; Sainio, Arttu; Schümann, Jörg; Andersen, Nikolaj Stevnbak; Tanner, Christopher; Thakur, Vinod; Thévenot, Melina; Walla, Jim; Wedrcki, Zbigniew; Aganze, Christian; Gerasimov, Roman; Theissen, Christopher; The Backyard Worlds: Planet 9 Collaboration, “Spitzer Follow-up of Extremely Cold Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project”, *ApJ*, 889, 123, August 2020
- [2] Schneider, Adam C.; Burgasser, Adam J.; Gerasimov, Roman; Marocco, Federico; Gagné, Jonathan; Goodman, Sam; Beaulieu, Paul; Pendrill, William; Rothermich, Austin; Sainio, Arttu; Kuchner, Marc J.; Caselden, Dan; Meisner, Aaron M.; Faherty, Jacqueline K.; Mamajek, Eric E.; **Hsu, Chih-Chun**; Greco, Jennifer J.; Cushing, Michael C.; Kirkpatrick, J. Davy; Bardalez-Gagliuffi, Daniella Logsdon, Sarah E.; Allers, Katelyn; Debes, John H.; Backyard Worlds: Planet 9 Collaboration, “WISEA J041451.67-585456.7 and WISEA J181006.18-101000.5: The First Extreme T-type Subdwarfs?”, *ApJ*, 989, 77, July 2020
- [1] Paudel, R. R., Gizis, J. E., Burgasser, A. J., **Hsu, C.**, “2MASS J10274572+0629104: the very short period young M6 dwarf binary system identified in K2 data”, *MNRAS*, 486, 4144, July 2019

NON-
REFEREED
PUBLICATIONS

- [3] Schaperla, Noah; Caselden, Dan; Meisner, Aaron M.; Burgasser, Adam J.; Schneider, Adam C.; Humphreys, Austin; **Hsu, Chih-Chun**; Softich, Emma; Smith, Leigh C.; Lucas, Philip W.; Kirkpatrick, J. Davy; Marocco, Federico; Faherty, Jacqueline K.; Kuchner, Marc J.; Cushing, Michael C.; Backyard Worlds: Cool Neighbors Collaboration, “VVV J165507.19-421755.5: A Nearby T Dwarf Hidden in the Galactic Plane”, *RNAAS*, 6, 189, September 2022

- [2] Theissen, Christopher A.; Burgasser, Adam J.; Martin, Emily C.; Cushing, Michael C.; Konopacky, Quinn M.; McLean, Ian S.; **Hsu, Chih-Chun**; Bardalez Gagliuffi, Daniella C.; Schneider, Adam C.; Kuchner, Marc J.; Faherty, Jacqueline K.; Beichman, Charles A.; Miles, Brittany; Skemer, Andy; Logsdon, Sarah E.; Meisner, Aaron M.; Kirkpatrick, J. Davy, “Keck NIRES Spectral Standards for L, T, and Y Dwarfs”, RNAAS, 6, 151, July 2022
- [1] Low, Ryan; Burgasser, Adam J.; Reylé, Céline; Gerasimov, Roman; **Hsu, Chih-Chun**; Theissen, Christopher A, “Spectroscopic Confirmation of an M6 Dwarf Companion to the Nearby Star BD-08 2582”, RNAAS, 5, 26, February 2021

TALKS

- “Kinematics, Rotation, and Multiplicity of Ultracool Dwarfs with High-Resolution Near-Infrared Spectroscopy”
June 14, 2022
AAS 240 Meeting, Pasadena Convention Center, Pasadena, CA
- “Forward-Modeling High-Resolution Spectroscopic Data of Ultracool Dwarfs with Large Public Archives”
June 3, 2022
HDSI Internal Talk, Halicioglus Data Science Institute, UC San Diego, Virtual
- “Kinematics, Rotation, and Multiplicity of Ultracool Dwarfs with High-Resolution Near-Infrared Spectroscopy”
May 25, 2022
IPAC Seminar Series, Infrared Processing and Analysis Center, Virtual
- “Radial and Rotational Velocities of T Dwarfs from Keck/NIRSPEC High-Resolution Spectroscopy”
September 9, 2021
Keck Science Meeting, UC San Diego
- “Precise Radial and Rotational Velocities of Ultracool Dwarfs with the APOGEE High-Resolution Spectrometer”
August 11, 2021
2021 SDSS Collaboration Meeting, Virtual
- “Radial Velocities and Kinematic Ages of Nearby T Dwarfs from Keck/NIRSPEC High-Resolution Spectroscopy”
January 15, 2021
AAS 237 Meeting, Virtual
- “Ultracool Dwarf Kinematics and Ages Revealed by High-Resolution Spectroscopy”
November 13, 2020
CASS Journal Club, UC San Diego, La Jolla, CA
- “Precise Radial and Rotational Velocities of Ultracool Dwarfs Using a Forward-Modeling Method with High-Resolution Spectroscopy”
February 4, 2020
High-Resolution Infrared Spectroscopy for Exoplanet Characterization Hackathon, Caltech, Pasadena, CA
- “Radial and Rotational Velocities of Ultracool Dwarfs From High-Resolution Spectroscopy”
March 5, 2019
AMNH Astrophysics seminar, American Museum of Natural History, New York, NY
- “Radial and Rotational Velocities of Ultracool Dwarfs From High-Resolution Spectroscopy”
February 15, 2019
CASS Journal Club, UC San Diego, La Jolla, CA

POSTERS

- “Radial Velocities and Kinematic Ages of Nearby T Dwarfs from Keck/NIRSPEC High-Resolution Spectroscopy”* March 2021
The 20.5 Cambridge Workshops of Cool Stars, Stellar Systems and the Sun, Virtual
- “Precise Radial and Rotational Velocities for over 440 Ultracool Dwarfs Observed with NIRSPEC”* September 2020
Keck Science Meeting 2020, Virtual
- “Precise Radial and Rotational Velocities for T Dwarfs Using NIRSPEC High-Resolution Spectrometer”* September 2019
Keck Science Meeting 2019, UCLA, Los Angeles, CA
- “Precise Radial and Rotational Velocities of Ultracool Dwarfs with APOGEE High-Resolution Spectra”* June 2019
SDSS-IV/V Collaboration Meeting 2019, Ensenada, Mexico
- “Radial and Rotational Velocities for 300+ Ultracool Dwarfs from NIRSPEC High-Resolution Spectroscopy”* January 2019
AAS 233 Meeting, Seattle, WA
- “Toward Measurements of Radial and Rotational Velocities of 300+ Ultracool Dwarfs from NIRSPEC High-Resolution Spectroscopy”* September 2018
Keck Science Meeting 2018, Caltech, Pasadena, CA
- “Precise Radial Velocities to Detect Exoplanets around Ultracool Dwarfs Using the NIRSPEC High-Resolution Spectrograph”* September 2018
ExSoCal 2018, Caltech, Pasadena, CA
- “Refined Measurements of Radial and Rotational Velocities of 300+ Ultracool Dwarfs from NIRSPEC High-Resolution Spectroscopy”* July 2018
Cool Stars 20, Boston University, Cambridge, MA

**PRESS
COVERAGE**

“Here’s how cool a star can be and still achieve lasting success”,
Science News, August 2021

WORKSHOPS

- Future Keck IR Spectroscopy Workshop* January 27 2021
Virtual
- High-Resolution Infrared Spectroscopy for Exoplanet Characterization Hackathon* February 4–6 2020
Caltech, Pasadena, CA
- Telluric Line Hack Week Workshop* February 25–28 2019
Flatiron Institute, New York, NY
- 2017 Kraft Observational Astronomy Workshop* October 12–16 2017
Lick Observatory, Mount Hamilton, CA
- SciCoder Workshop* July 31–August 4 2017
Vanderbilt University, Nashville, TN

**TELESCOPE
TIME
AWARDED**

Lick Observatory
PI: **2022B**: “Calibrations of Chemical Abundances of Ultracool Dwarfs in Wide

Binary Systems with Optical High-Resolution Spectroscopy of G-Type Primaries”
 • 1 night awarded (APF)

W. M. Keck Telescopes, Keck II 10-meter

Co-I: **2021B–2022B**: “Galactic Archaeology with Ultracool Dwarfs: Kinematic Structure Among L Dwarfs”

- 5.25 nights awarded (NIRSPEC)

Co-I: **2021B–2022B**: “The Old and the Quick: A Search for Halo Brown Dwarfs with Backyard Worlds”

- 5.5 nights awarded (NIREs)

Co-I: **2019B–2020B**: “Completing the Kinematic Census of Local T Dwarfs”

- 5.75 nights awarded (NIRSPEC)

Co-I: **2018B–2021A**: “NIREs Follow-up of Young T Dwarfs from Backyard Worlds”

- 9 nights awarded (NIREs)

NASA InfraRed Telescope Facility (IRTF)

Co-I: **2018A–2019B**: “Training the Cannon: Calibrating APOGEE Observations of Ultracool Dwarfs”

- 6 nights awarded (iSHELL)

ADDITIONAL OBSERVING EXPERIENCE	<i>Keck II 10-meter/NIRSPEC 7 nights</i>	2017–2018
	<i>Keck I 10-meter/HIRES 0.5 nights</i>	2018
	<i>Shane Telescope 3-meter</i>	
	• Kast Double Spectrograph: 22 nights	2018–2021
	• ShaneAO/ShARCS: 1 night	2019
	<i>NASA InfraRed Telescope Facility (IRTF)/SpeX 2 nights</i>	2021–2022
UNDERGRAD MENTORSHIP	Brigette Vazquez, UC San Diego	2021–2022
	Delilah Jacobsen, UC San Diego	2021–2022
	Tianxing “Sky” Zhou, UC San Diego	2021–2022
TEACHING	<i>Teaching assistant for PHYS 2D</i>	Spring 2021
	UC San Diego, La Jolla, CA	
	• lower-division modern physics lecture for engineering/physical science majors	
	<i>Teaching assistant for PHYS 5</i>	Fall 2020
	UC San Diego, La Jolla, CA	
	• lower-division introductory stellar astrophysics lecture for non-physics major	
	<i>Teaching assistant for PHYS 2DL</i> Spring & Fall 2017, 2019, Spring 2020, Fall 2021	
	UC San Diego, La Jolla, CA	
	• lower-division modern physics lab for engineering/physical science majors	
	<i>Teaching assistant for PHYS 1A</i>	Spring 2018
	UC San Diego, La Jolla, CA	
	• lower-division mechanics lab for life-science majors	

	<i>Teaching assistant for PHYS 160</i> UC San Diego, La Jolla, CA <ul style="list-style-type: none"> • upper-division introductory stellar astrophysics lecture for physics major 	Winter 2018, Fall 2018
	<i>Teaching assistant for PHYS 2BL</i> UC San Diego, La Jolla, CA <ul style="list-style-type: none"> • lower-division electricity & magnetism lab for engineering/physics major 	Fall 2016, Winter 2017
	<i>California Professoriate for Access to Physics Careers (CPAPC)</i> <i>Southern California Physics GRE Bootcamp</i> <ul style="list-style-type: none"> • UC San Diego, La Jolla, CA 	August 2017
PUBLIC OUTREACH	Python Workshop for Physics Undergraduate Students <ul style="list-style-type: none"> • UC San Diego, La Jolla, CA 	November 2019–2021
	2019 Institute for Scientist & Engineer Educators (ISEE) Professional Development Program (PDP) UC Santa Cruz/UC Los Angeles, CA <ul style="list-style-type: none"> • Professional development team focused on effective and inclusive teaching, including mentoring, and also includes training in professional skills such as communication, teamwork, collaboration, and leadership. 	March–September 2019
	Institute of the Americas (IOA) Science Innovation Camp UC San Diego, La Jolla, CA <ul style="list-style-type: none"> • Physics outreach for Latin American high school students (14–18 year old) 	July 20 2017
	The Barrio Logan Science & Art Expo Mercado del Barrio, San Diego, CA <ul style="list-style-type: none"> • Physics outreach for Mexican families from around southern San Diego 	March 16 2019
PROFESSIONAL AFFILIATIONS	American Astronomical Society (AAS)	2018–Present
SKILLS	Python, L ^A T _E X, Github, HTML; Languages: Mandarin (native), English (fluent)	
REFERENCES	Dr. Adam Burgasser Professor of Physics University of California San Diego 9500 Gilman Drive 0424, La Jolla, California 92093-0424, USA aburgasser at ucsd.edu Dr. Quinn Konopacky Associate Professor of Physics University of California San Diego 9500 Gilman Drive 0424, La Jolla, California 92093-0424, USA qkonopacky at ucsd.edu Dr. Cullen Blake Associate Professor of Physics and Astronomy University of Pennsylvania 209 South 33rd Street, Philadelphia, PA 19104, USA chblake at sas.upenn.edu	

[CV compiled on 2022/09/20]