

# Chih-Chun “Dino” Hsu

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<b>EDUCATION</b>	<b>University of California, San Diego</b> , 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 Expected August 2022
	<b>National Tsing Hua University</b> , Hsinchu, Taiwan Bachelor of Science (B.S) in Physics June 2014
<b>RESEARCH INTERESTS</b>	lowest-mass stars; brown dwarfs; exoplanets; medium-/high-resolution spectroscopy; very low-mass binaries; stellar populations; stellar kinematics; stellar rotation
<b>RESEARCH EXPERIENCE</b>	<b>Graduate Research Student</b> Center for Astrophysics and Space Sciences, UC San Diego, La Jolla, CA Advisor: Adam Burgasser 2016–present
	<b>Research Assistant</b> Institute of Astronomy, National Tsing Hua University, Hsinchu, Taiwan Supervisor: Huei-Ru “Vivien” Chen 2015–2016
	<b>Undergraduate Research Student</b> Physics Department, National Tsing Hua University, Hsinchu, Taiwan Advisor: Kingman Cheung 2013–2014
	<b>Cool Stars 21 Travel Grant</b> Cool Stars 21 <sup>st</sup> Meeting, Toulouse, France July 2022
<b>ACADEMIC HONORS &amp; AWARDS</b>	<b>Rodger Doxsey Travel Prize</b> AAS 240 <sup>th</sup> 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 <sup>th</sup> Meeting). June 2022
	<b>Friends of the International Center fellowship</b> UC San Diego, La Jolla, CA Awarded for promoting international friendship, understanding, and cooperation. 2020
	<b>Carol and George Lattimer Award for Graduate Excellence</b> 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. 2019–2020
	<b>Physics Chair’s Challenge Award * 3</b> 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; Schmidt, S. J. ; C., Blake, C. H.; Covey, K. R., “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., Jacqueline K. Faherty, “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, “Discovery 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, Nikolaj 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: NIRSPEC-AO 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 Wedraski; “The Field Sub-stellar 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, Rocío; 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; Wędracki, 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

- [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” <ul style="list-style-type: none"> <li>• 6 nights awarded (iSHELL)</li> </ul>	
<b>ADDITIONAL OBSERVING EXPERIENCE</b>	<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>	
	<ul style="list-style-type: none"> <li>• Kast Double Spectrograph: 22 nights</li> </ul>	2018–2021
	<ul style="list-style-type: none"> <li>• ShaneAO/ShARCS: 1 night</li> </ul>	2019
	<i>NASA InfraRed Telescope Facility (IRTF)/SpeX 2 nights</i>	2021–2022
<b>UNDERGRAD MENTORSHIP</b>	Brigette Vazquez, UC San Diego	2021–Present
	Delilah Jacobsen, UC San Diego	2021–Present
	Tianxing “Sky” Zhou, UC San Diego	2021–Present
<b>TEACHING</b>	<i>Teaching assistant for PHYS 2D</i>	Spring 2021
	UC San Diego, La Jolla, CA	
	<ul style="list-style-type: none"> <li>• lower-division modern physics lecture for engineering/physical science majors</li> </ul>	
	<i>Teaching assistant for PHYS 5</i>	Fall 2020
	UC San Diego, La Jolla, CA	
	<ul style="list-style-type: none"> <li>• lower-division introductory stellar astrophysics lecture for non-physics major</li> </ul>	
	<i>Teaching assistant for PHYS 2DL</i>	Spring & Fall 2017, 2019, Spring 2020, Fall 2021
	UC San Diego, La Jolla, CA	
	<ul style="list-style-type: none"> <li>• lower-division modern physics lab for engineering/physical science majors</li> </ul>	
	<i>Teaching assistant for PHYS 1A</i>	Spring 2018
	UC San Diego, La Jolla, CA	
	<ul style="list-style-type: none"> <li>• lower-division mechanics lab for life-science majors</li> </ul>	
	<i>Teaching assistant for PHYS 160</i>	Winter 2018, Fall 2018
	UC San Diego, La Jolla, CA	
	<ul style="list-style-type: none"> <li>• upper-division introductory stellar astrophysics lecture for physics major</li> </ul>	
	<i>Teaching assistant for PHYS 2BL</i>	Fall 2016, Winter 2017
	UC San Diego, La Jolla, CA	
	<ul style="list-style-type: none"> <li>• lower-division electricity &amp; magnetism lab for engineering/physics major</li> </ul>	
	<i>California Professoriate for Access to Physics Careers (CPAPC)</i>	
	<i>Southern California Physics GRE Bootcamp</i>	August 2017
<b>PUBLIC OUTREACH</b>	<ul style="list-style-type: none"> <li>• UC San Diego, La Jolla, CA</li> </ul>	
	<b>Python Workshop for Physics Undergraduate Students</b>	November
	<ul style="list-style-type: none"> <li>• UC San Diego, La Jolla, CA</li> </ul>	2019–2021
	<b>2019 Institute for Scientist &amp; Engineer Educators (ISEE)</b>	
	<b>Professional Development Program (PDP)</b>	March–September 2019
	UC Santa Cruz/UC Los Angeles, CA	

- 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.

**Institute of the Americas (IOA) Science Innovation Camp**      July 20 2017  
UC San Diego, La Jolla, CA

- Physics outreach for Latin American high school students (14–18 year old)

**The Barrio Logan Science & Art Expo**      March 16 2019  
Mercado del Barrio, San Diego, CA

- Physics outreach for Mexican families from around southern San Diego

**PROFESSIONAL AFFILIATIONS**      **American Astronomical Society (AAS)**      2018–Present

**SKILLS**      Python, L<sup>A</sup>T<sub>E</sub>X, Github, HTML; Languages: Mandarin (native), English (fluent)

**REFERENCES**      **Dr. Adam Burgasser**  
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**Dr. Quinn Konopacky**  
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[CV compiled on 2022/08/08]