

Francisco J. Mercado
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Education

UC Irvine (2017 - Present)
Cal Poly Pomona (2013-2017): GPA 3.23 — B.S. Physics
Santa Fe Springs High School (2009-2013): GPA 4.22

Research Experience

UC Irvine Graduate Student Researcher (Fall 2017 - Present)
- PI: Prof. James Bullock
UC Irvine Graduate Research Assistant (Summer 2017)
- PI: Prof. James Bullock
Cal Poly Pomona Research Assistant (Spring 2015-Spring 2017)
- PI: Prof. Jorge Moreno (Moreno Group and Harvard Aztlan Institute)
UCI SURF Summer Program (Summer 2016)
- Research Project with Prof. James Bullock at University of California, Irvine
- Project: *Gas Stripping in the Simulated Pegasus Galaxy*
CAMPARE Summer Internship (Summer 2015)
- Research Project with Prof. Jorge Moreno at the Harvard-Smithsonian CfA -
Project: *Interaction Induced Size Evolution in Galaxies*

Talks/Presentations

UCI SRP Research Symposium [Formal Talk] (Aug 2017)
Cal Poly Pomona SIAM Research Symposium [Formal Talk] (Mar 2017)
229th American Astronomical Society Meeting Grapevine, Texas [Poster Presentation] (Jan 2017)
Cal-Bridge/Campare Symposium [Formal Talk] (Sep 2016)
UCI SRP Research Symposium [Formal Talk] (Aug 2016)
James Bullock Group Meeting [Informal Talk] (Jul 2016)
Cal Poly Pomona SIAM Research Symposium [Formal Talk] (Mar 2016)
227th American Astronomical Society Meeting Kisseemee, Florida [Poster Presentation] (Jan 2016)
SoCal Conference for Undergraduate Research, Harvey Mudd College [Formal Talk] (Nov 2015)
CAMPARE Symposium [Formal talk] (Sep 2015)
Phil Hopkins Group Meeting, Caltech [Informal talk] (Sep 2015)
Mark Vogelsberger Group Meeting, MIT [Informal talk] (Aug 2015)

Howard Smith Group Meeting, Harvard SAO [Informal talk] (July 2015) Lars
Hernquist Group Meeting, Harvard ITC [Informal talk] (July 2015)

Honors, Awards, Prizes

UC Irvine Diversity Recruitment Fellowship (Fall 2017) —\$5,000
UC Irvine Competitive Edge Scholar (Summer 2017)
UC Irvine SURF Scholar (Summer 2016)
President's Student Research Travel Scholarship, Cal Poly Pomona (Jan 2016) —\$600
Cal-Bridge Scholar (Fall 2015-Spring 201) — \$30,000
CAMPARE Scholar (Summer 2015)
TELACU Scholar (Fall 2013-Spring 2017) — \$8,000
Service Learning Award (2013)
Armando Mora Memoial Scholastic Scholarship (2013) — \$1,000
Santa Fe Springs Woman's Cub Scholarship (2013) — \$950
Dorothy P. and Howard D. Hunter Foundation Scholarship (2013) — \$1,800
Santa Fe Springs Rotary Club Outstanding Student Award (2013)
National Honor Society (2011-2013)
Honor Roll (2009-2013)

Community Service

UC Irvine WATzUP group leader volunteer: Samueli Academy (Fall 2017)
UC Irvine Eclipse Party Volunteer (Summer 2017)
Golden Springs Elementary School BUILD Star Party speaker (Spring 2017)
Rivera Middle School Guest Speaker (Spring 2015 - Spring 2016)
Physics "Phun" Day Collegewood Elementary (Spring 2015)
Santa Fe Springs Library Reading and Writing Tutor (Fall 2010-Spring 2012)

Professional References

Prof. James Bullock

- Professor at University of California, Irvine
- Research Adviser
- Email: bullock@uci.edu

Michael Cooper

- Professor at University of California, Irvine
- Mentor
- Email: cooper@uci.edu

Prof. Jorge Moreno

- Assistant Professor at Cal Poly Pomona
- Mentor
- Email: jorge.moreno@pomona.edu