

Francisco J. Mercado  
University of California, Irvine  
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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)  
229<sup>th</sup> 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)  
227<sup>th</sup> 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 Memorial Scholastic Scholarship (2013) — \$1,000  
Santa Fe Springs Woman's Club 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