

Devontae Baxter

Irvine, California 92617, USA
dbaxter@uci.edu • linkedin.com/taebaxter

EDUCATION

The University of California, Irvine, Irvine, California, USA

- Masters of Science (M.S.) in Physics
- Cumulative GPA: 3.80 / 4.00

September 2017 – June 2019

Georgia Institute of Technology, Atlanta, Georgia, USA

- Bachelor of Science (B.S.) in Physics
- Concentration: Astrophysics
- Minor: Spanish
- Graduated with Highest Honors
- Dean's List: 2015-2017
- Cumulative GPA: 3.77 / 4.00

January 2015 – May 2017

Georgia State University Perimeter College, Clarkston, Georgia, USA

- Associate of Science (A.S.) in Physics
- Dean's List: 2012-2014
- Cumulative GPA: 3.88 / 4.00

June 2012 – December 2014

PUBLICATIONS & PREPRINTS

4. **D. Baxter**, M. C. Cooper, "The GOGREEN Survey: The GOGREEN Survey: Constraining the Satellite Quenching Timescale in Massive Clusters at $z \gtrsim 1$," In Prep.
3. M. K. Rodriguez Wimberly, M. C. Cooper, **D. Baxter**, Boylan-Kolchin, J. S. Bullock, S. P. Fillingham, A. P. Ji, L. V. Sales, J. D. Simon, "Sizing from the Smallest Scales: The Mass of the Milky Way," *Monthly Notices of the Royal Astronomical Society*, Submitted, September 2021 (arXiv:2109.00633).
2. **D. Baxter** M. C. Cooper, S. P. Fillingham, "A Machine Learning Approach to Measuring the Quenched Fraction of Low-Mass Satellites Beyond the Local Group," *Monthly Notices of the Royal Astronomical Society*, vol. 503, no. 2, pp. 1636–1645, May 2021 (arXiv:2102.05050).
1. S. Mahajan, M. Tennenbaum, S. N. Pathak, **D. Baxter**, X. Fan, P. Padilla, C. Anderson, A. Fernandez-Nieves, M. P. Ciamarra, "Reverse Janssen Effect in Narrow Granular Columns," *Physical Review Letters*, vol. 124, no. 12, pp. 128002, February 2020 (arXiv:2005.14404).

ACADEMIC AWARDS

- National Osterbrock Leadership Program Fellowship June 2020
- LSSTC Data Science Fellowship April 2019
- Eugene Cota-Robles Fellowship September 2017
- Tulsa Community Foundation: AMC Cares Scholarship July 2015
- Georgia Hope Scholarship January 2014

INVITED TALKS

- Astronomy Seminar, The University of Kansas, Lawrence, KS (April 8, 2022)
- Little Galaxies Journal Club, The Ohio State University, Columbus, OH (March 29, 2021)

TEACHING EXPERIENCE

Ardent Academy for Gifted Youth, Irvine, California, USA

- Physics Instructor
- Physics Olympiad Winter Bootcamp

December 2019 – December 2019

UC, Irvine Department of Physics and Astronomy, Irvine, California, USA

- Teaching Assistant
- Physics 20D (Space Science) Fall 2018
- Physics 20B (Cosmology) Winter 2019
- Physics 20E (Life in the Universe) Spring 2019

September 2018 – June 2019

OBSERVING PROPOSALS AND GRANTS	Co-Investigator <ul style="list-style-type: none"> • Keck/KCWI - Smudges in Stripe 82: A KCWI Survey of UDGs in the Field (2021-2020, 5 nights) • Keck/DEIMOS - Deeper than DEEP: a DEIMOS Survey of the JWST Cosmic Evolution Early Release Science Field (2020, 3.5 nights)
OBSERVING EXPERIENCE	Keck Observatory <ul style="list-style-type: none"> • DEIMOS: 16 • KCWI: 4.5
TECHNICAL SKILLS	L ^A T _E X, Python (Astropy, Keras, NumPy, Matplotlib, Pandas, Scikit-Learn, SciPy), Machine Learning (PyTorch, Tensorflow), Bayesian Statistical Inference, GitHub, Bash, SQL, Unix/macOS, Mathematica
CERTIFICATES	<ul style="list-style-type: none"> ▪ Certification in Course Design by UCI Division of Teaching Excellence and Innovation ▪ Certification for the Integration of Research, Teaching and Learning by UCI Division of Teaching Excellence and Innovation ▪ Mentoring Excellence Program Certification by UCI Graduate Division
OUTREACH & SERVICE	<p>UCI Physics and Astronomy Peer-Mentoring Program, Irvine, California, USA</p> <ul style="list-style-type: none"> ▪ Leadership Team Chair August 2020 – Present <p>UCI Observatory - Astronomy Outreach Volunteer, Irvine, California, USA</p> <ul style="list-style-type: none"> ▪ Volunteer October 2018 – March 2020 <p>UCI Physics Graduate Caucus, Irvine, California, USA</p> <ul style="list-style-type: none"> ▪ Social Event Chair October 2018 – March 2020 <p>Georgia Latino Alliance for Human Rights, Dunwoody, Georgia, USA</p> <ul style="list-style-type: none"> ▪ Volunteer January 2017 – April 2017 <p>Good Samaritan Health Center, Atlanta, Georgia, USA</p> <ul style="list-style-type: none"> ▪ Spanish Interpreter January 2017 – April 2017
LANGUAGES	<ul style="list-style-type: none"> ▪ English: Native language ▪ Spanish: Fluent ▪ French: Intermediate