

Devontae Baxter

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EDUCATION

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

- Masters of Science (M.S.) in Physics

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

1. 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).
3. 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

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

OUTREACH & SERVICE

UCI Observatory - Astronomy Outreach Volunteer, Irvine, California, USA

- Volunteer
 - Setup telescopes and manage star-gazing events at local elementary schools

October 2018 – Present

Georgia Latino Alliance for Human Rights, Dunwoody, Georgia, USA

▪ Volunteer

January 2017 – April 2017

- Participate in community outreach and fund-raising events
- Research and disseminate information pertaining to immigration legislation

Good Samaritan Health Center, Atlanta, Georgia, USA

▪ Spanish Interpreter

January 2017 – April 2017

- Interpret between Spanish speaking patients and English speaking nurses/doctors
- Translate documents from English to Spanish

LANGUAGES

- English: Native language
- Spanish: Fluent
- French: Intermediate

SKILLS

L^AT_EX, Observational Astronomy, Mathematica, Python, Linux, Supervised Machine learning, LabView, OriginPro, HTML/CSS, iMovie, Igor Pro