

| | | |
|--------------------------------|--|---|
| Education | University of California, Davis M.S. in Physics — Dec 2013 Ph.D. in Physics — Jun 2017, expected University of Miami B.S. in Physics, Applied Mathematics. <i>Cum Laude</i> | Sep 2012 → Present Aug 2008 → May 2012 |
| | | |
| Research | Department of Physics, University of California, Davis <i>Researcher</i> Currently working with Professor John Rundle's group extending and analyzing the Virtual California earthquake simulator and running massively parallel simulations on the TACC supercomputers. | June 2013 → Present |
| | Department of Astronomy, California Institute of Technology <i>Summer Undergraduate Research Fellow</i> Updated and expanded the data analysis pipeline for the Planck collaboration (CMB telescope), and helped identify parameter correlations using the D.O.E.'s supercomputing center NERSC. | June 2011 → Aug 2011 |
| | Department of Physics, University of Miami <i>Research Assistant</i> Reconstructed the optical properties of a Cosmic Microwave Background telescope (WMAP) from its measured radiation maps. Presented poster at January 2011 meeting of the American Astronomical Society. | Aug 2009 → May 2012 |
| | | |
| Published Research | Schultz, K.W. , Huffenberger, K.M. <i>Stacking catalogue sources in WMAP data</i> . Monthly Notices of the Royal Astronomical Society, Volume 424, Issue 4, pp. 3028-3036 (2012) | |
| | K.W. Schultz , M.K. Sachs, J.B. Rundle, D.L. Turcotte, <i>Simulating Gravity Changes in Topologically Realistic Driven Earthquake Fault Systems</i> , Geophysical Journal International, in preparation (2014) | |
| Teaching & Tutoring | Department of Physics, University of California, Davis <i>Teaching Assistant</i> Led discussion lab of over 30 students covering introductory physics. | Sep 2012 → June 2013 |
| | Department of Biology, Barry University, Miami Shores, FL <i>RISE tutor</i> Tutored MBRS-RISE students in calculus and calculus-based physics. | Jan 2012 → May 2012 |
| | Department of Physics, University of Miami <i>Physics Lab tutor</i> Helped students with most of undergraduate physics. | Oct 2011 → May 2012 |
| | Department of Mathematics, University of Miami <i>Math Lab tutor</i> Helped students with calculus, differential equations, linear algebra. | Sep 2009 → May 2010 |
| | | |
| Honors & Awards | Member, Omicron Delta Kappa One of the highest collegiate honors, along with Phi Kappa Phi and Phi Beta Kappa. | Sep 2011 → present |
| | Isaac Bashevis Singer Scholarship Full academic scholarship to the University of Miami, 30 annually. | Aug 2008 → May 2012 |
| | Foote Fellow Highest academic honor at U. of Miami, gives student freedom to design own curriculum, 50 annually. | Aug 2008 → May 2012 |
| | NSF CSMS Scholarship NSF Computer Science and Mathematics for Scientists, 5 annually at Univ. of Miami. | Aug 2010 → May 2011 |
| | Beyond the Book Scholarship Supported summer research, University of Miami College of Arts and Sciences, 12 annually. | May 2010 → Aug 2010 |
| | National Ocean Scholarship 4 annually, awarded by the Consortium for Ocean Leadership and the National Ocean Sciences Bowl. | Aug 2008 → May 2010 |
| | | |
| | | |