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| INTERESTS | Stellar evolution, asteroseismology, machine learning, scientific computing | |
| EDUCATION | Ph.D. Astrophysics , International Max Planck Research School | (expected 2018) |
| | M.Sc. Computer Science , Indiana University | 2014 |
| | B.Sc. Computer Science , SUNY Oswego | 2012 |
| | B.Sc. Applied Mathematics , SUNY Oswego | 2012 |
| RESEARCH EXPERIENCE | Doctoral Candidate, Max Planck Institute for Solar System Research | 2015 – present |
| | Visiting Assistant in Research, Department of Astronomy, Yale University | 2016 – 2017 |
| | Research Assistant, School of Informatics & Computing, Indiana University | 2013 – 2015 |
| | Guest Researcher, NIST Information Technology Laboratory | 2013, 2014 |
| | Research Student, National Institute of Informatics , Tokyo, Japan | 2013 |
| | SURF Fellow, NASA Jet Propulsion Laboratory | 2012 |
| | REU Student, Institute of Physics, Federal University of Alagoas , Brazil | 2011 |
| | REU Student, National Laboratory of Astrophysics , Brazil | 2010 |
| TEACHING EXPERIENCE | Teaching Assistant, Department of Astronomy, Yale University | Spring 2017 |
| | Assistant, Fakultät Physik, Georg-August-Universität Göttingen | Summer 2016 |
| | Associate Instructor, School of Informatics & Computing, Indiana University | Fall 2012 |
| | Seminar Leader, Honors Department, SUNY Oswego | Fall 2010 |
| JOURNAL ARTICLES | Angelou, G. C., Bellinger, E. P. , Hekker, S., Basu, S. (2017). On the Statistical Properties of the Lower Main Sequence. <i>The Astrophysical Journal</i> , 839 (2), 116. | |
| | Bellinger, E. P. , Angelou, G. C., Hekker, S., Basu, S., Ball, W., Guggenberger, E. (2016). Fundamental Parameters of Main-Sequence Stars in an Instant with Machine Learning. <i>The Astrophysical Journal</i> , 830 (1), 20. | |
| | Guggenberger, E., Hekker, S., Basu, S., Bellinger, E. P. (2016). Significantly improving stellar mass and radius estimates: A new reference function for the $\Delta\nu$ scaling relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 461 (2). | |
| | Glover, M., Bellinger, E. P. , Radivojac, P., Clemmer, D. (2015). Penultimate Proline in Neuropeptides. <i>Analytic Chemistry</i> , 87 (16), 8466-8472. | |
| | Ngeow, C. C., Kanbur, S. M., Bellinger, E. P. , Marconi, M., Musella, I., Cignoni, M., & Lin, Y. H. (2012). Period-luminosity relations for Cepheid variables: from mid-infrared to multi-phase. <i>Astrophysics and Space Science</i> , 341(1), 105-113. | |
| | Bellinger, E. P. , Wysocki, D., Kanbur, S. M. (2015). Measuring amplitudes of harmonics and combination frequencies in variable stars. <i>Communications of the Konkoly Observatory</i> , 105. | |
| SELECTED CONFERENCE PROCEEDINGS | Ji, C., Li, Y. F., Bellinger, E. P. , Li, S., Arnold, R. J., Radivojac, P., Tang, H. (2015). A Maximum-likelihood Approach to Absolute Protein Quantification in Mass Spectrometry. <i>Proceedings of the 6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics</i> , 10, 296–305. | |
| | Bellinger, E. P. , Conner, D., Mittman, D., Magee, K., & Heventhal, B. (2012). CASSIUS: the Cassini Uplink Scheduler. <i>Jet Propulsion Laboratory: National Aeronautics and Space Administration</i> . | |
| TECHNICAL REPORTS | | |
| HONORS & AWARDS | National Physical Science Consortium Graduate Fellowship | 2012 – 2017 |
| | Oebele Van Dyk Outstanding Computer Science Senior Award | 2012 |
| | SUNY Chancellor's Award | 2012 |
| | SUNY Oswego Student/Faculty Collaborative Challenge Grant | 2011 |
| | NSF IRES / SUNY Oswego Global Laboratory Scholarship | 2010, 2011 |
| | SMART Grant | 2010, 2011 |
| | SUNY Oswego Presidential Scholarship | 2008 – 2012 |