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## EDUCATION

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2000	Ph.D. in Astronomy, University of Washington Thesis: <i>Exotic Gravitational Microlensing Effects as a Probe of Stellar and Galactic Structure</i> Advisor: Christopher Stubbs
1996	M.Sc. in Astronomy, University of Washington
1995	B.S. in Physics, Purdue University Highest Honors Barry M. Goldwater Scholar National Science Foundation REU Fellow Richard King Memorial Award

## PROFESSIONAL EXPERIENCE

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2006-Present	Research Assistant Professor University of Washington, Seattle, WA
2002-2006	Postdoctoral Research Associate University of Washington, Seattle, WA
2002-2003	Postdoctoral Research Associate Los Alamos National Laboratories, Los Alamos, NM
2000-2003	Postdoctoral Member of Technical Staff Bell Laboratories, Lucent Technologies, Murray Hill, NJ

## PROFESSIONAL ACTIVITIES

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Founding member of LSST Data Management team at the University of Washington  
UW Advisor for NSF Faculty and Student Teams program through LSST  
Time Allocation Committee for ARC 3.5m  
University of Washington Faculty Senate:  
2008-2010 (Astronomy) and 2010-2011 (College of Arts and Sciences)  
Contributor to NASA ExoPAG and SAG on:  
"Exoplanet Science Measurements from Solar System Probes"  
Peer Review: ApJ, AJ, PASP, Israel Science Foundation, NASA (OSS, ADP), NSF  
Congressional Visit Day 2009 on behalf of AAS and AAAS

## SELECTED PUBLICATIONS<sup>1</sup>

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- [1] **Becker, A. C.**, J. J. Bochanski, S. L. Hawley, Ž. Ivezić, A. F. Kowalski, B. Sesar, and A. A. West. Periodic Variability of Low-mass Stars in Sloan Digital Sky Survey Stripe 82. *ApJ*, 731:17, April 2011.
- [2] R. Kessler, **Becker, A. C.**, D. Cinabro, J. Vanderplas, J. A. Frieman, J. Marriner, T. M. Davis, B. Dilday, J. Holtzman, S. W. Jha, H. Lampeitl, M. Sako, M. Smith, C. Zheng, R. C. Nichol, B. Bassett, R. Bender, D. L. Depoy, M. Doi, E. Elson, A. V. Filippenko, R. J. Foley, P. M. Garnavich, U. Hopp, Y. Ihara, W. Ketzeback, W. Kollatschny, K. Konishi, J. L. Marshall, R. J. McMillan, G. Miknaitis, T. Morokuma, E. Mörtzell, K. Pan, J. L. Prieto, M. W. Richmond, A. G. Riess, R. Romani, D. P. Schneider, J. Sollerman, N. Takanashi, K. Tokita, K. van der Heyden, J. C. Wheeler, N. Yasuda, and D. York. First-Year Sloan Digital Sky Survey-II Supernova Results: Hubble Diagram and Cosmological Parameters. *ApJS*, 185:32–84, November 2009.
- [3] **Becker, A. C.** Transient detection and classification. *Astronomische Nachrichten*, 329:280, 2008.
- [4] **Becker, A. C.**, D. M. Wittman, P. C. Boeshaar, A. Clocchiatti, I. P. Dell’Antonio, D. A. Frail, J. Halpern, V. E. Margoniner, D. Norman, J. A. Tyson, and R. A. Schommer. The Deep Lens Survey Transient Search. I. Short Timescale and Astrometric Variability. *ApJ*, 611:418–433, August 2004.
- [5] C. Alcock, R. A. Allsman, D. R. Alves, T. S. Axelrod, **Becker, A. C.**, D. P. Bennett, K. H. Cook, N. Dalal, A. J. Drake, K. C. Freeman, M. Geha, K. Griest, M. J. Lehner, S. L. Marshall, D. Minniti, C. A. Nelson, B. A. Peterson, P. Popowski, M. R. Pratt, P. J. Quinn, C. W. Stubbs, W. Sutherland, A. B. Tomaney, T. Vandehei, and D. Welch. The MACHO Project: Microlensing Results from 5.7 Years of Large Magellanic Cloud Observations. *ApJ*, 542:281–307, October 2000.

## COLLABORATORS AND OTHER AFFILIATIONS

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Co-authors and collaborators with whom I’ve worked most directly:

Agol, E. (UW), Anderson, S. (UW), Axelrod, T. (LSST), Barnes, R. (UW), Bennett, D. (Notre Dame), Bloom, J. (UCB), Bochanski, J. (MIT), Bosch, J. (Princeton), Connolly, A. (UW), Cook, K. (LANL), Cutri, R. (IPAC), Davenport, J. (UW), Genovese, C. (CMU), Gibson, R. (UW), Hawley, S. (UW), Homrighausen, D. (CMU), Ivezić, Ž. (UW), Jones, R. L. (UW), Kaib, N. (Queen’s U), Kessler, R. (U. Chicago), Krughoff, S. (UW), Kundurthy, P. (UW), Laws, C. (UW), Lupton, R. (Princeton), MacLeod, C. (UW), Oluseyi, H. (FIT), Rest, A. (Harvard), Sesar, B. (Caltech), Silvestri, N. (UW), Stubbs, C. (Harvard), Tyson, J.A. (UCD), West, A. (MIT), Walkowicz, L. (Princeton), Williams, B. (UW), Wittman, D. (UCD), Wozniak, P. (LANL)

Graduate advisor : Christopher Stubbs, Harvard University

Postdoctoral advisor : J. Anthony Tyson, University of California, Davis

Currently on doctoral committees of :

Eric Hilton, Praveen Kundurthy, Sarah Schmidt, and Jacob Vanderplas

Previously on doctoral committees of : Ricardo Covarrubius and Branimir Sesar

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<sup>1</sup>Aggregate citations to previous publications are in the top 1% in the field of Space Science, Thompson Reuters; <http://sciencewatch.com/inter/aut/2010/10-may/10mayBeck/>