

R. ANDREW SEVRINSKY

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Education

2017 **B.S. Physics, concentration in Astronomy**
(expected) Georgia State University, Atlanta, GA
Undergraduate Research Advisor: Todd J. Henry

Research Experience

Summer 2016 **REU Summer Intern**
Smithsonian Astrophysical Observatory
Harvard-Smithsonian Center for Astrophysics, Cambridge, MA

2014- **Research Assistant**
Research Consortium on Nearby Stars (RECONS)
Georgia State University, Atlanta, GA

Research Focus/Interests

Low mass stars, binary stars, stellar formation and characterization, stellar astrometry, exoplanet formation, characterization of exoplanet host stars

Publications

2. Winters, Jennifer G.; **Sevrinsky, R. Andrew**; Jao, Wei-Chun; Henry, Todd J.; Riedel, Adric R.; Subasavage, John P.; Lurie, John C.; Ianna, Philip A., 2016. *The Solar Neighborhood XXXVIII. Results from the CTIO/SMARTS 0.9m: Trigonometric Parallaxes for 151 Nearby M Dwarf Systems*, AJ (in press)
1. Bentz, Misty C.; Batiste, Merida; Seals, James; Garcia, Karen; Kuzio de Naray, Rachel; Peters, Wesley; Anderson, Matthew D.; Jones, Jeremy; Lester, Kathryn; Machuca, Camilo; Parks, J. Robert; Pope, Crystal L.; Revalski, Mitchell; Roberts, Caroline A.; Saylor, Dicy; **Sevrinsky, R. Andrew**; Turner, Clay, 2016, *A Low-mass Black Hole in the Nearby Seyfert Galaxy UGC 06728*, ApJ, 831, 2B

Publications in prep

2. **Sevrinsky, R. Andrew**; Henry, Todd J.; Jao, Wei-Chun, presenting new masses for M dwarf binaries resolved with HST-WFC and ground-based astrometry, expected submission spring 2017
1. **Sevrinsky, R. Andrew**; Dunham, Michael M., on protostellar accretion modelling to determine the importance of accretion bursts in episodic accretion models, expected submission early 2017

Presentations

2. **Sevrinsky, R. Andrew**; Dunham, Michael M., 2017, *Is Episodic Accretion Necessary to Resolve the Luminosity Problem in Low-Mass Protostars?* (Poster, AAS #229)
1. **Sevrinsky, R. Andrew**; Henry, Todd J.; Jao, Wei-Chun; RECONS, 2016, *Mapping the Abyss: A Breakthrough in Mass Determinations for Stars and Brown Dwarfs using HST and RECONS Astrometry* (Poster, AAS #227)

Observing Experience

15 nights, SMARTS 0.9m, Cerro Tololo Inter-American Observatory (optical/near IR imaging)
7 nights, Miller 24", Hard Labor Creek Observatory (optical/near IR imaging)

Academic Performance and Recognitions

GSU Outstanding Student 2017

will be formally recognized by Georgia state legislature in Spring 2017

Barry M. Goldwater Scholarship, 2016

US congressional scholarship for promising early career researchers

Elizabeth and Michael Kenny Scholarship, 2014

ΣΠΣ Physics Honors Society member, 2016-

GSU Honors College, 2014-

GSU President's List, six semesters

GSU Dean's List, one semester

Overall GPA¹ as of Spring 2016: 4.16 (3.95)

Physics and Astronomy GPA as of Spring 2016: 4.08 (3.89)

Teaching Experience

Georgia State University

ASTR 1020 - Stellar and Galactic Astronomy

Teaching assistant, 2 lab sections (2015)

Professional Affiliations

American Astronomical Society, 2015-

Extracurricular Activities and Outreach

GSU Astronomy Club, 2013-

GSU Society of Physics Students, 2013-

GSU Inclusive STEM, 2015-

Volunteer, Atlanta Star Party, 2009-2014

Member, Atlanta Skeptics, 2008-

Speaker, Atlanta Skepticamp, 2009-2010

Participant, Atlanta Skepticamp, 2009-2013

Skills

Telescope operation, planning and execution of research observations

Use of IDL and IRAF for astronomical data reductions

Intermediate experience with Python, HTML

Some exposure to C++, Java, LabVIEW, ROOT, SQL, and many others

L^AT_EX typesetting

Familiar with most common productivity applications (Office, Adobe CS, etc)

Extensive computer hardware and software knowledge

PC troubleshooting and break-fix, A+ Certification

Windows and Linux usage and configuration

¹Georgia State University weighs a letter grade of "A+" as 4.30 when calculating grade point averages. GPAs presented here are consistent with those reported on university transcripts, followed by values which have been recalculated using a standard 4.0 scale.