

Daniel A. Gole

CONTACT INFORMATION

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EDUCATION

MAY 2019 Ph.D. in Astrophysics, University of Colorado at Boulder, Boulder CO
Thesis: "Something about magnetic fields and dead zones in accretion disks"
Advisors: Philip Armitage, Jacob Simon | GPA: 3.7/4.0

MAY 2013 B.A. in Physics, SUNY Geneseo, Geneseo NY
magna cum laude | Minor: Mathematics | GPA: 3.79/4.0

WORK EXPERIENCE

Current AUG 2014	Research Assistant at CU Boulder / JILA <i>Simulations and Theory of Accretion Disks</i> Placeholder description...
SPRING 2014	Teaching Assistant at CU Boulder <i>Astronomy 1010 Lab: Introductory Astronomy I</i> Placeholder description...
FALL 2013	Teaching Assistant at CU Boulder <i>Astronomy 2040: The Search for Life in the Universe</i> Placeholder description...
FALL 2010 - SPRING 2013	Undergraduate Lab Instructor <i>Astronomy, Physics I, Physics II</i> Placeholder description...
SUMMER 2012	Research Experience for Undergraduates (REU) at Rensselaer Polytechnic Institute <i>Structure of the Milky Way Galaxy</i> Placeholder description...
SUMMER 2012	Research Assistant at SUNY Geneseo <i>The WIYN Open Cluster Study</i> Placeholder description...

COMPUTER SKILLS

Programming Languages: Python (including numpy, scipy, matplotlib), Mathematica, C, C++, Bash, Java

Other Tools / Applications: LaTeX, Git, MPI, MPI4PY, Excel, Powerpoint

Operating Systems: Linux primarily, can do Windows or Mac OSX if necessary

AWARDS AND HONORS

JUNE 2017	RN Thomas Award
MAY 2017	Ray Mace Smith Fellowship
MAY 2013	John W. Padalino Research Scholarship
MAY 2013	Member of the Golden Key Honor Society
MAY 2013	Member of Sigma Pi Sigma, the Physics Honor Society
FALL 2009 - SPRING 2013	Dean's List, all semesters

PUBLICATIONS

"Turbulence, Transport, and Circulation in Ohmic Dead Zones", D. Gole, J.B. Simon, S. H. Lubow, P. J. Armitage, ApJ, 826, issue 1, article id. 18, 13 pp. (2016)

"Substructure in Bulk Velocities of Milky Way Disk Stars", J. L. Carlin, J. DeLaunay, H. J. Newberg, L. Deng, D. Gole, K. Grabowski, G. Jin, C. Liu, X. Liu, A. L. Luo, H. Yuan, H. Zhang, G. Zhao, Y. Zhao, ApJL, 777, Issue 1, article id. L5, 6 pp. (2013)

PRESENTATIONS

Poster Presentation: "The LAMOST Pilot Survey: Metallicities, Velocities, and Proper Motions" 221st Meeting of the American Astronomical Society, Long Beach California, January 2013

Poster Presentation: "UBVRI CCD Photometry of Open Star Cluster NGC 581" 219th Meeting of the American Astronomical Society, Austin, Texas, January 2012

Talk at the KITP Disks program

CASA/JILA lunch seminar summer 2017

PROFESSIONAL DEVELOPMENT

IAS PITP Summer 2016

KITP Disks program March 2017

Some sort of teaching certificate

RESEARCH INTERESTS

GRANTS RECEIVED

MISCELLANEOUS

SPRING 2016	Faculty Hiring Committee
FALL 2014	Concerns & Curriculum Committee
SPRING 2013	Faculty Search Committee