

MAXWELL POLLACK

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BS Physics, 2015
The College of NJ

MS Astronomy, 2017
UWisconsin-Madison

code, art, and music at
maxis.cool

JOBS

Research Intern, Numenta. Dec 2018–Apr 2019
Supervised by Subutai Ahmad. neuroscience, machine learning
Graduate Research Assistant, The University of Wisconsin–Madison. Jun 2015–Aug 2017
Advised by Bob Mathieu. observational + computational studies of binary stars
Graduate Teaching Assistant, The University of Wisconsin–Madison. Fall 2016
6 sections of Astronomy 103 "The Evolving Universe".
Undergraduate Research Assistant, The College of New Jersey, Sep 2013–Dec 2014
Advised by Paul Wiita. computational fluid dynamics, galactic jets

PAPERS

Geller, Pollack, Mathieu, Latham 2019. "WIYN Open Cluster Study: Spectroscopic Binary Orbits in M67". The Astronomical Journal, in prep.
Sandquist, Mathieu, Quinn, Pollack, ... 2018. "A Curiously Young Star in an Eclipsing Binary in an Old Open Cluster". The Astronomical Journal, 155, 152S
Pollack, Pauls, Wiita 2016. "Variability in Active Galactic Nuclei from Propagating Relativistic Turbulent Jets". The Astrophysical Journal, 820, 12P

POSTERS

Pollack, Leiner, Mathieu 2016. "Modeling Blue Straggler Formation Through Case C Mass Transfer with MESA". Binary Stars in Cambridge 2016.
Pollack, Pauls, Wiita 2014. "Flux Variability from Turbulence and Bulk Velocity Variations in Relativistic Hydrodynamic Jets". APS–DFD 2014.

OUTREACH

Public Observing, TCNJ Observatory, Ewing, NJ. Fall 2013–Spring 2015, weekly.
Science education, telescope operation
Public Observing, Washburn Observatory, Madison, WI. Jun 2015–Aug 2017, quarterly.
Science education, telescope operation
"Universe in the Park", Wisconsin State Parks. 2015–2016, yearly.
Science education, telescope operation
2017 Solar Eclipse, Rose Memorial Library, Stony Point, NY. Aug 21, 2017.
Public astronomy lecture

MERITS

Fellow, UW–Madison Letters + Science Community of Graduate Research Scholars
Full funding for 2015–2016 academic year
Attendee, MESA Summer School 2015, University of California–Santa Barbara
10–day workshop using the stellar evolution code MESA