

# MAXWELL POLLACK

mail @ maxis.cool

BS Physics, 2015  
The College of NJ

MS Astronomy, 2017  
UWisconsin-Madison

code, art, and music at  
maxis.cool

## JOBS

Recurser, The Recurse Center. Jul–Aug 2019  
Grant–supported self–directed educational retreat.  
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 study of binary stars  
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: The Hard Binary Population of 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

## MEETINGS

Binary Stars in Cambridge 2016. Poster presentation on "Modeling Blue Straggler Formation Through Case C Mass Transfer with MESA". Pollack, Leiner, Mathieu 2016.  
American Physical Society, Division of Fluid Dynamics 2014. Poster presentation on "Flux Variability from Turbulence and Bulk Velocity Variations in Relativistic Hydrodynamic Jets". Pollack, Pauls, Wiita 2014.  
MESA Summer School 2015, University of California – Santa Barbara.  
10–day workshop using the stellar evolution code MESA.

## TEACHING

Astronomy Lecturer, Rose Memorial Library, Stony Point, NY. Aug 21, 2017.  
30–min public talk for the 2017 Solar Eclipse.  
Telescope Operator, Washburn Observatory, Madison, WI. Jun 2015–Jun 2017, quarterly.  
Public observing, astronomy education.  
Student, "Teaching in Science and Engineering, The College Classroom", Spring 2017  
1 semester for–credit course on STEM pedagogy in higher–Ed.  
Graduate Teaching Assistant, The University of Wisconsin–Madison. Fall 2016  
6 recitation sections of Astronomy 103 "The Evolving Universe".  
Telescope Operator, TCNJ Observatory, Ewing, NJ. Fall 2013–Spring 2015, weekly.  
Public observing, astronomy education.

## CODE

Pollack 2019. "Localization with simple recurrent networks in PyTorch"  
available at [github.com/maxwellpollack/localization\\_rnn](https://github.com/maxwellpollack/localization_rnn)