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

Recurser, The Recurse Center. Jul–Aug 2019
  Self–directed, community–driven educational retreat for programmers.
Research Intern, Numenta. Dec 2018–Apr 2019
  Machine learning + theoretical neuroscience. Supervised by Subutai Ahmad.
Graduate Research Assistant, The University of Wisconsin–Madison. Jun 2015–Aug 2017
  Observational + computational study of binary stars. Advised by Bob Mathieu.
Undergraduate Research Assistant, The College of New Jersey. Sep 2013–Dec 2014
  Computational fluid dynamics, galactic jets. Advised by Paul Wiita.

PAPERS

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

MEETINGS

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

TEACHING

Lecturer, Rose Memorial Library, Stony Point, NY. Aug 21, 2017
  30–min public astronomy talk for the 2017 Solar Eclipse.
Telescope Operator, Washburn Observatory, Madison, WI. Jun 2015–Jun 2017
  Quarterly public observing nights, weather permitting.
Student, "Teaching in Science and Engineering, The College Classroom". Spring 2017
  1 semester for–credit course about higher–ed STEM teaching methodology.
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 nights, weather permitting.

CODE

"Localization with simple recurrent networks in PyTorch" Pollack 2019.
  github.com/maxwellpollack/localization_rnn