

Nathaniel R. Butler

Assistant Professor, Cosmology Initiative, Arizona State University

Work Address

578 Goldwater
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Home Address

Tempe, AZ

Academic Training

MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
Ph.D. in Physics September 2003.

PRINCETON UNIVERSITY Princeton, NJ
B.A. in Physics June 1998. Graduated Magna Cum Laude.

Teaching/Research Positions Held

ARIZONA STATE UNIVERSITY, 2011–PRESENT Tempe, AZ
Assistant Professor, Cosmology Initiative, School of Earth and Space Exploration.

UC BERKELEY ASTRONOMY DEPT., 2008–2011 Berkeley, CA
Einstein Fellow; broadband observations of astrophysical transients; built classification engine for synoptic surveys; PI of Reionization And Transients InfraRed (RATIR) camera.

UC BERKELEY SPACE SCIENCES LAB & AST DPT, 2005–2008 Berkeley, CA
Townes Fellow; robotic optical/IR observations of GRBs; produced catalogs for Swift satellite data; developed a novel 3-color imaging camera.

MIT CENTER FOR SPACE RESEARCH, 2003–2005 Cambridge, MA
Postdoctoral Associate; operated the HETE satellite to detect GRBs; conducted GRB followup observations in the optical and X-ray bands.

MIT CENTER FOR SPACE RESEARCH, 1998–2003 Cambridge, MA
Research Assistant MIT CSR, MIT CCD Lab; tested and characterized X-ray CCDs and X-ray mirrors, calibrated HETE satellite instruments.

PRINCETON UNIVERSITY, 1997–1998 Princeton, NJ
Research Assistant; tested and calibrated mirrors for the WMAP satellite.

Professional Societies

American Astronomical Society, Sigma Xi, International Astrostatistics Network

Awards

Einstein Fellowship, UC Berkeley, 2009

GLAST (Gamma-ray Large Area Telescope) Fellowship, UC Berkeley, 2008

Charles H. Townes Fellowship, Berkeley Space Sciences Laboratory, 2005

Allen G. Shenstone Prize for Experimental Physics, Princeton University, 1998

Clearfield Area High School Golden Bison Distinguished Alumni Award, 2009