

JOSHUA BRANDON HAISLIP

EDUCATION

University of North Carolina at Chapel Hill B.S. Physics 2007

APPOINTMENTS

2012- **Principal Software Engineer**
 Skynet Robotic Telescope Network, University of North Carolina at Chapel Hill

2011- **Owner**
 Dark Sky Technologies LLC, Saxapahaw, NC

2007-2012 **Software Engineer**
 Skynet Robotic Telescope Network, University of North Carolina at Chapel Hill

2004-2007 **Building Manager | Public Outreach Coordinator**
 Morehead Planetarium and Science Center

2003-2004 **Theater Presenter**
 Morehead Planetarium and Science Center

AFFILIATIONS

2011- Dark Sky Technologies LLC

2007- Skynet Robotic Telescope Network

2006- Panchromatic Robotic Optical Monitoring and Polarimetry Telescopes
(PROMPT) Collaboration

2006-2012 Educational Research in Radio Astronomy (ERIRA) Program

HONORS

2006 **Robert Shelton Prize for Undergraduate Research in Physics & Astronomy**
 University of North Carolina at Chapel Hill

2006 **Vanderbilt Prize for Undergraduate Research**
 Vanderbilt University

2003 **Order of the Grail Valkyries Inductee**
 University of North Carolina at Chapel Hill

2003 **Order of the Golden Fleece Inductee**
 University of North Carolina at Chapel Hill

PUBLICATIONS *(NASA ADS)*

Total: **510**

Citations: **5,610**

H Index: **33**

M Index: **1.7**

A photometric redshift of $z = 6.39 + 0.12$ for GRB 050904, Haislip, J. B., Nysewander, M. C., Reichart, D. E., et al. 2006, Nature, 440, 181-183

Skynet Algorithm for Single-Dish Radio Mapping I: Contaminant-Cleaning, Mapping, and Photometering Small-Scale Structures, Martin, J. R., Reichart, D. E., Dutton, D. A., Maples, M. P., Berger, T. A., Ghigo, F. D., Haislip, J. B., et al.

A gravitational-wave standard siren measurement of the Hubble constant, Abbott, B. P., et al. 2017, Nature, 551, 85-88 - Multi-messenger Observations of a Binary Neutron Star Merger, Abbott, B. P., et al. 2017, ApJ, 848, L12, 1-59

SYNERGISTIC ACTIVITIES

Afterglow Access: An open source, cross-platform web application providing accessible display and analysis tools for use with astronomical data. <https://github.com/SkynetRTN/afterglow-access>

Skynet Robotic Telescope Network Web Interface: A full-stack software package enabling students, educators, and researchers to request and retrieve astronomical image data from a global network of telescopes. <https://skynet.unc.edu>

Automaxis Dome Control System: Automation solution for astronomical observatory domes featuring custom controllers with 2.4 GHz wireless connectivity, encoders/bar code scanners for positional feedback, remotely upgradeable firmware, and control software with ASCOM compliant drivers. <https://www.darkskytech.com>

ERIRA: Educational Research in Radio Astronomy, Green Bank Observatory

OBSERVE: Observation-Based Student Experience in Research Via Exploration, Morehead Planetarium and Science Center, University of North Carolina at Chapel Hill, 2003-

Astronomy with Skynet: Our Place In Space: Skynet Robotic Telescope Network, University of North Carolina at Chapel Hill, 2009-

Skynet Junior Scholars: Yerkes Observatory and Green Bank Observatory, 2012-

IDATA: Innovators Developing Accessible Tools for Astronomy, Associated Universities, Inc. and Yerkes Observatory, 2016-