Jennifer V. Medina

Science Support Analyst | Hubble Space Telescope
jmedina@stsci.edu

EDUCATION

FLORIDA INTERNAT'L UNIVERSITY

B.Sc. Physics, Astronomy minor
May 2017 | Miami, FL

LINKS

Personal	jaymedina.github.io
GitHub	github.com/jaymedina
LinkedIn	Jennifer V Medina
Twitter	@jennifermdna_

SKILLS

PROGRAMMING LANGUAGES

Python:	●●●●◑
SQL:	●●●●○
HTML:	●●●○○
IDL:	●○○○○

TECHNICAL

Data Reduction:	●●●●●
Technical Writing:	●●●●●
Data Visualization:	●●●●◑
Data Analysis:	●●●●◑
Big Data Handling:	●●●●○

SPOKEN LANGUAGES

English:	●●●●●
Spanish:	●●●●◑
French:	●●●○○

NOTABLE AWARDS

2019	ExoCTK Deployment
2016	TAURUS Scholarship
2012	FL Bright Futures

WORK EXPERIENCE

SCIENCE SUPPORT ANALYST | Nov 2019 - Present

Supervisor: Dr. Sylvia Baggett | Space Telescope Science Institute, Baltimore, MD

- Work is similar to the Associate Science Support Analyst, but involves taking on more complex projects and leadership positions.
- Involves leading a development team for the handling of the Hubble Space Telescope's Wide Field Camera 3 (WFC3) science and calibration database. Please do not hesitate to contact me for elaboration.

ASSOCIATE SCIENCE SUPPORT ANALYST | Sep 2017 - Nov 2019

Supervisor: Max Mutchler | Space Telescope Science Institute, Baltimore, MD

- Work involves analysis on HST Wide Field Camera 3 (WFC3) data to preserve the health of the instrument and improve the quality of WFC3 science products.
- Creating and maintaining software to aid in the production of calibration files used by the astronomy community.
- Providing developmental support for the Exoplanet Characterization Tool Kit (ExoCTK) software team.
  Check out my tool here: https://exoctk.stsci.edu/contam_visibility

VOLUNTEERING

TROUT UNLIMITED 2019

Pennsylvania, U.S

Participated in the 10 million trees campaign where trees and shrubs are planted along rivers to prevent nitrogen runoff.

MARYLAND DEP'T OF NATURAL RESOURCES (DNR) 2019

Maryland, U.S

Cleaned over 50 lbs of trash from the Chesapeake Bay Shore in Elk Neck State Park, Maryland.

THE CHESAPEAKE BAY FOUNDATION 2018 - Present

Maryland, U.S

Participated in several tree restoration projects which involved planting 500+ trees along streams in close proximity to farmland with the intention of preventing nitrogen runoff from cattle and agriculture.

PUBLICATIONS

Jennifer Vanessa Medina, Matthew Bourque, Sylvia Baggett
(2019) "WFC3/UVIS CTE Montior: Efficacy of Post-flash in The UVIS darks"
Instrument Science Report (ISR) WFC3-2019-10
Published on: *Space Telescope Science Institute*, *Instrument Science Reports*
Available Here

Andrew W. Mann, Eric Gaidos, Andrew Vanderburg, Aaron C. Rizzuto, Megan Ansdell, Jennifer Vanessa Medina, Gregory N. Mace, Adam L. Kraus, Kimberly R. Sokal
(2017) "Zodiacal Exoplanets in Time (ZEIT). IV. Seven transiting planets in the Praesepe cluster"
Volume 153, Number 2
Published on: *The Astronomical Journal (AJ)*
Available Here