

Student Name

(555)-555-5555 | email@fit.edu | [Your LinkedIn URL](#) | Palm Bay, FL 32904

EDUCATION

Florida Institute of Technology -- Melbourne, FL

Dec 2023

Bachelor of Science in Astronomy and Astrophysics | GPA: 3.4

SKILLS

Mathematics: Calculus, Ordinary and Partial Differential Equations

Technical: Python, C++, MATLAB, Julia, Database Research

Laboratory: Spectroscopy, Spectral Imaging, Observatory Instruments, Data Analysis, Graphing

Other: Collaboration, Critical Thinking, Adaptability, Detail-Oriented

RESEARCH EXPERIENCE

Florida Institute of Technology – Melbourne, FL

Research Assistant – Active Galactic Nuclei (AGN)

March 2020 - Present

- Utilize Python and *RXTE AGN Timing and Spectral Database* to graph light curves and power spectra of supermassive black holes
- Analyze light curve data for indications of quasi-periodic oscillations (QPOs) to determine if closer analysis of dense areas within the light curves is needed
- Collaborate with team members in the writing of abstract and research paper

Research Volunteer – Massive Binary Stars

May 2019 - Dec 2020

- Remotely operated 0.9-m telescope located at Kitt Peak National Observatory base in Arizona
- Performed literature research through the *SIMBAD Astronomical Database* for binary categorization references used to confirm binary stars and binary candidates

ACADEMIC PROJECTS

Florida Institute of Technology – Melbourne, FL

Astrophysics Coding – Star Map of Local Space

Spring 2021

- Used MATLAB to originate a 150-lightyear 3D model of Milky Way Galaxy
- Presented model, showing all known Multiple Star Systems, in front of professor and 25 students

Examining Exoplanets

Fall 2020

- Collected astronomical data using Doppler Spectroscopy and the Transit Timing Method
- Generated correlation diagrams using Julia to detect periodic trends in exoplanet clusters

EXTRA-CIRRICULAR

Florida Institute of Technology

Treasurer, Women in Aviation

May 2021- Present

- Raised \$1,000 by collaborating with local Chipotle restaurant to organize community fundraiser based off nightly proceeds

Zooniverse – Online

Radio Galaxy Zoo: LOFAR

Jan 2019 - Dec 2020

- Volunteered with an online, crowdsourced research project that analyzed emissions produced by supermassive black holes
- Examined wavelength images of radio jet emissions to identify single-emission sources produced in error by LOFAR