

Jason Vazquez

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Education:

University of Illinois at Urbana-Champaign, College of Liberal Arts & Sciences

Expected Graduation: May 2023

Major: Astronomy + Physics

Minor: Applied Statistics

Research Experience:

RR Lyrae Research Course

Summer 2020

- Used remote telescopes to observe V1464 Aquilae
- Used photometry to determine color band magnitudes, periods, distance
- Compared results to previous studies

CIERA REU

Summer 2021

- Used archival data from Hubble Space Telescope to look for the progenitor star of SN2019mhm
- Performed relative astrometry and photometry to align images and identify sources
- Poster presentation at winter AAS meeting

Technical Skills:

- Data analysis (Built pipeline using FITS Liberator and Astrosource)
- Python (Pandas, NumPy, SciPy, AstroPy, Matplotlib), Matlab

Work Experience:

Dick's Sporting Goods - Glenview, IL

Summer 2019

- Cashier
 - Processed transactions by cash, debit/credit and gift cards
 - Answered telephone calls about product availability, service availability etc.
 - Ensured accurate, efficient checkout experience
 - Coordinated with co-workers to make post closing efficient
- Footwear Associate
 - Assisted customers with finding correct product regarding size, color, fit etc. in a timely fashion
 - Used mobile device to locate inventory and to check availability across all stores in the region
 - Obtained product knowledge in order to formulate informed opinions
 - Coordinated with other footwear associates and front of the store

Heartland Animal Shelter

May 2018-August 2019

- Cat Care Volunteer
 - Kept main cat rooms and kitten rooms clean and organized
 - Helped socialize cats
 - Got to know cat personalities to help match with potential adopters

Soft Skills:

- Communication - verbal and written
- Patience
- Teamwork