

John Albert Faulhaber

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Education

University of Colorado at Boulder

August 2016 – May 2020

Boulder, CO

B.A. Astrophysics; Minor in Classical Studies

Summa Cum Laude *with distinction* – Awarded April 27th, 2020

Phi Beta Kappa ([ΦBK](#)) – Inducted December 7th, 2019

Cumulative GPA: 3.9/4.0, Dean's List x7

Ranked 4/63 in the Astrophysical and Planetary Sciences department upon graduation.

Cornell University (Summer College)

June 2015 - August 2015

Ithaca, NY

Emphasis: Astrophysics, General Engineering

Cumulative GPA: 3.35/4.0

Earned recognition for achieving “*the highest level of distinction in the design and construction of an engineering structure*” (ENGRG 1060 course)

Technical Skills

- Programming/Coding proficiency: Python 2.7, 3.0
- Data reduction: SAOImage DS9, IRAF
- Scientific/technical writing – Experience working on peer-reviewed papers, as well as my own publications.
- Microsoft Office proficiency: Excel, Word, PowerPoint.
- Familiarity with GitHub.
- Proficiency with a variety of video conferencing and collaborative whiteboard applications.

Research

Thesis: On the Nebular Motions of Sharpless 2-106 and its Evolutionary Phase

(https://scholar.colorado.edu/concern/undergraduate_honors_theses/fx719n336)

Primary research paper (Acknowledgment): Bally, John, et al. “A Highly Collimated Jet from the Red Square Nebula, MWC 922”, Published by MNRAS on 1/23/2019. (<https://doi.org/10.1093/mnras/stz257>)

Primary research paper (Co-Author, In progress): Bally, John, et al. “Supersonic Expansion of the Bipolar HII Region Sh2-106”

Work Experience

The Phi Beta Kappa Society – Young Professional Advisor, Delaware Valley

Dec. 2020 - Current

- Assist in determining offered programs and program content for the Phi Beta Kappa Delaware Valley Association.
- Serve as a moderator/catalyst in breakout rooms during virtual events.

University of Colorado, Boulder – Grader

Fall 2019

- Graded the work of the 72 students enrolled in ASTR 3730 – Astrophysics 1 – Stellar and Interstellar during the Fall 2019 semester.
- Provided constructive feedback on areas requiring further examination within lecture.

Amazon – Seasonal Employee, Fulfillment center

Summer 2019

- Assisted in managing incoming and outgoing inventory and palette shipments.
- Aided in keeping new inventory organized on the floor to maintain efficiency in workflow.
- Was given the option to work extra hours due to excellent proficiency.
- Surpassed the job quota for each day.

The Princeton University Store – Sales Associate, Retail

Summers 2017, 2018, 2019

- Performed key store customer service duties and assisted with inventory management.
- Helped train new employees and assisted in the web sales department when able.
- Led the Sales Associates Team in garnering new customer memberships.

West Windsor-Plainsboro Community Education – Counselor in training

Summers 2010, 2011, 2012

- Assisted teachers and supervised the campers in robotics, sports, and art classes.
- Received a net total of 870 hours of volunteer service over three years.