BRITNEY **WHITTINGTON**

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EDUCATION

08/2020 – 05/2024

TOWSON UNIVERSITY, B.S. COMPUTER SCIENCE, ASTRONOMY MINOR

Dean's List for every semester

3.965 Cumulative GPA

- Com Sci Classes: Typical Classes; Software Engineering
- Astronomy Classes: Physics 2: Electromagnetism, Calculus; Introduction to Astrophysics; Astrophysical Techniques
- Other Classes: Honors Public Speaking; Honors Writing Fiction; Honors Seminar Advanced Topics

08/2021 – 05/2024

HILL-LOPES SCHOLAR, TOWSON UNIVERSITY

Women in STEM program that focuses on pillars of community, professional development, and career building. Meets approx. once a month for professional development meetings.

08/2020 – 05/2024

HONORS COLLEGE, TOWSON UNIVERSITY

Women in STEM program that focuses on pillars of community, professional development, and career building. Meets approx. once a month for professional development meetings.

WORK EXPERIENCE

08/2022 – PRESENT

CIS INFORMATION DESK, TOWSON UNIVERSITY

Main point of contact for all CIS visitors. Responsibilities including but not limited to: Answering calls from over 800 students, parents, and 50 full-time faculty; assisting professors and faculty with tasks; answering visitor questions; taking inventory.

01/2022 – 05/2022

TEACHING ASSISTANT, TOWSON UNIVERSITY

Assisted Dr. Jennifer Scott with her ASTR 161 class containing ~25 students for 3-6 hours a week. Responsibilities included but not limited to: Answering student questions; assisting with lab and activity set up and clean up; helping with labs; hosting tutoring sessions.

09/2019 – 01/2021

PART-TIME CASHIER, WALMART

Processed shopping transactions with a cash register and self-checkout. Kept area clean and helped with returns and stocking register items. Part-time while being a full-time student during the start of the pandemic.

PROJECTS

- **[2022-Present] Constructed Personal Website** with GitHub pages, utilizing JavaScript and HTML. Website connects to NASA's API to dynamically update its contents.
- **[2021-Present] Independent student astronomy project** with Dr. Jennifer Scott on TU's 16" telescope. Creating a pipeline to make the telescope easier to use for students, utilizing a website, software, and creating guides.
- **[2019-2020] Worked on a biology capstone project** with Dr. Alondra Diaz-Lameiro. Constructed phylogenetic trees with Bayesian software (BEAST2) using the camel genome.

EVENTS & CLUBS

- **[2021-Present] TU Astronomy Club at TU**. *Vice President*. Assists the planetarium director with shows.
- **[2021-2021] iTech Club at TU**.
- **[2022] Astro Scholars.** An astrophysics program hosted by STSci and Johns Hopkins University. Learned various skills real astrophysicist use in the field and worked on a small research project with Dr. Svea Hernandez on analyzing the chemical composition on M83.
- **[2022] Grace Hopper Celebration virtual attendance.** A conference celebrating women in computer science.

SKILLS

- Proficient in Java (2 years)
- Beginner in HTML, CSS (2 years)
- Beginner in Python (1 year)
- Proficient in spreadsheets & excel
  - VBA
- Beginner in Databases and SQL (<1 year)

- Moderate experience with Astronomy
  - Telescope optics
  - Data reduction & analysis
  - Jupyter Notebook & astropy
  - Constructing light curves of stars

- Hobbyist experience with Web design
  - Bootstrap, NASA API
- Hobbyist experience with game design
  - Game Maker 2, Unity
- Advanced in digital art (8 years)