

# 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)
- Beginning in 3D art (<1 year)