

BRITNEY WHITTINGTON

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EDUCATION

08/2020 – 05/2024

TOWSON UNIVERSITY, B.S. COMPUTER SCIENCE, SOFTWARE ENGINEERING TRACK, ASTRONOMY MINOR

Dean's List for every semester

3.965 Cumulative GPA

- Com Sci Classes: Operating Systems, 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. Allows for networking with various women in STEM and learning about career opportunities.

08/2020 – 05/2024

HONORS COLLEGE, TOWSON UNIVERSITY

Provides challenging courses and opportunities for academically qualified students. Interdisciplinary courses encourage critical thinking, student involvement, academic inquiry, and personal growth.

WORK EXPERIENCE

08/2022 – PRESENT

CIS INFORMATION DESK, TOWSON UNIVERSITY

Main point of contact for all CIS visitors. Answers calls from over 800 students, parents, and 50 full-time faculty; assists professors and faculty with tasks such as printing papers; answers visitor questions; takes inventory in Excel.

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. Answered student questions regarding assignments and class; assisted with lab and activity set up and clean up; helped with labs; hosted weekly 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

- **Constructed Personal Website** with GitHub pages, utilizing JavaScript and HTML. Website connects to NASA's API to dynamically update its contents. [2022-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. [2021-Present]
- **Worked on a biology capstone project** with Dr. Alondra Diaz-Lameiro. Constructed phylogenetic trees with Bayesian software (BEAST2) using the camel genome. [2019-2020]

EVENTS & CLUBS

- **TU Astronomy Club at TU.** Vice President. Assists the planetarium director with shows. [2021-Present]
- **iTech Club at TU.** [2021-2021]
- **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. [2022]

SKILLS

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|---|--|---------------------|
| • Proficient in Java (2 years) | • Moderate experience with Astronomy | • Data organization |
| • Moderate in HTML, CSS (2 years) | ○ Telescope optics | • Time management |
| • Beginner in Python (1 year) | ○ Data reduction & analysis | • Group projects |
| • Proficient in Excel (2 years) | ○ Jupyter Notebook & astropy | • Fast learning |
| • Beginner in Databases and SQL (<1 year) | ○ Constructing light curves of stars | • Adaptable |
| • Beginner with Web design (1 year) | • Hobbyist experience with game design | |
| ○ Bootstrap, NASA API | • Advanced in digital art (8 years) | |
| | • Beginning in 3D art (<1 year) | |