

Britney Whittington

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EDUCATION

TOWSON UNIVERSITY, B.S. COMPUTER SCIENCE, SOFTWARE ENGINEERING TRACK, ASTRONOMY MINOR [08/2020–05/2024]

3.948 Cumulative GPA. Dean's List for every semester.

- CS Classes: Data Structures; Software Engineering; Software Testing; Object Oriented Programming; Database Management
- Astro Classes: Physics 2: Electromagnetism, Calculus; Introduction to Astrophysics; Astrophysical Techniques, Planetary Astronomy

HILL-LOPES SCHOLAR, TOWSON UNIVERSITY [08/2021–05/2024]

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.

HONORS COLLEGE, TOWSON UNIVERSITY [08/2020–05/2024]

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.

WORK EXPERIENCES

TEACHER ASSISTANT, TOWSON UNIVERSITY [08/2023–Present]

Assists Dr. Neda Saeedloei with grading for 3 of her classes: 2 sections of COSC 455 (Programming Languages: Design and Implementation) and COSC 461 (Artificial Intelligence); Answers student questions regarding projects; Hosts weekly office hours

UNDERGRADUATE LEARNING ASSISTANT, TOWSON UNIVERSITY [08/2023–Present]

Assists Dr. Jennifer Scott with her ASTR 261 class containing 25 students for 3 hours a week; Answers student questions regarding assignments and class; Assists with lab and activity set up and clean up; Helps with labs

CIS INFORMATION DESK, TOWSON UNIVERSITY [08/2022–05/2023]

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

PROJECTS

- **Dynamic Eclipse Broadcast Solar Eclipse Project** . Working with faculty and grad students at Towson University, we plan on taking pictures of the upcoming eclipses. [2023–Present]
- **Summer Research Project** with Dr. Neda Saeedloei, where I created C++ code that optimizes lists of behaviors that describe real-time systems. [Summer 2023]
- **Telescope Recommissioner** with Dr. Jennifer Scott on TU's 16" telescope. Making the telescope compatible with automated software (Maestra, Cartes du Ciel). Creating a pipeline to make the telescope easier to use for students, utilizing a WordPress website and guides. [2021–Present]
- **Constructed Personal Website** with GitHub pages, utilizing JavaScript and HTML. Website connects to NASA's API to dynamically update its contents. [2022]
- **Hospital mySQL Database with Java Swing** constructed for Database Management class. [2022]
- **Android App with Google Maps** constructed for Software Engineering class. [2022]
- **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 Astronomical Society** Vice President. Assists the planetarium director with shows. [2021–Present]
- **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 of M83. [2022]

AWARDS

- **2022-2023 Maryland Space Grant** [2022–2023]
- **L. Melvin Roberts Scholarship** [2022]

SKILLS

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| • Proficient in Java (4 years) | • Moderate experience with Astronomy <ul style="list-style-type: none">– Telescope optics– Data reduction & analysis– Jupyter Notebook & astropy | • Advanced in digital art (8 years) |
| • Proficient in Excel (5 years) | • Moderate in statistics & data analysis | • Moderate in graphic design |
| • Beginner in Python, Numpy (1 year) | • Hobbyist experience with game design | • Time management |
| • Beginner in Databases and mySQL (1 year) | | • Problem solving & critical thinking |
| • Beginner with Web design (1 year) <ul style="list-style-type: none">– HTML, CSS, JavaScript, Bootstrap, API, React, Node.js | | • Group projects & communication |
| | | • Fast learner & adaptable |
| | | • Public speaking & presentations |