

# Britney Whittington

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*An aspiring software engineer with a life-long passion for art and astronomy.*

## Education

**TU** **B.S. Expected Computer Science, Software Engineering Track** 08/2020 - 05/2024  
Towson University Towson, MD

- 3.95 GPA. Dean's List every semester. Honor's College & Hill-Lopes Scholar Program
- Courses: Software Engineering | Software Testing | Introduction to Astrophysics | Astrophysical Techniques

## Work Experience

**Teacher Assistant** 08/2023 - Present  
Towson University Towson, MD

- Assists Dr. Neda Saeedloei with her classes: Programming Languages: Design and Implementation and Artificial Intelligence.
- Hosts office hours for 40+ students and answers student questions for projects, quizzes, and assignments.
- Grades quizzes and coding projects

**Telescope Operator** 08/2021 - Present  
Towson University Towson, MD

- Working with Dr. Jennifer Scott and Dr. Dylan Hilligoss on TU's 16" telescope.
- Making the telescope compatible with automated software (Maestra, Cartes du Ciel) and creating a pipeline to make the telescope easier to use for students by using a WordPress website and guides.

**Undergraduate Learning Assistant** 08/2023 - 12/2023  
Towson University Towson, MD

- Assisted Dr. Jennifer Scott with her Intro to Astrophysics class containing 25 students
- Answered student questions regarding assignments and class.
- Assisted with labs and activity set up and clean up.

**CIS Information Desk** 08/2022 - 05/2023  
Towson University Towson, MD

- Main point of contact for all CIS visitors. Answered calls and visitor questions from over 800 students and 50 full-time faculty
- Assisted professors and faculty with office tasks and took inventory in Excel

## Projects

**Solar Eclipse Project** 10/2023 - Present  
Dynamic Eclipse Broadcast USA

- Working with faculty and grad students at Towson University, we plan on taking pictures of the upcoming eclipses.

**Summer Research Project** Summer 2023  
Towson University Towson, MD

- Worked with Dr. Neda Saeedloei to create C++ code that optimizes lists of behaviors that describe real-time systems.

## Events & Clubs

**TU Astronomical Society** 2021 - Present  
Towson University Towson, MD

- Hosts weekly meetings where we discuss astronomy with our 30+ members. Assists with astronomy events throughout campus.

**Astro Scholars** Summer 2022  
Space Telescope Science Institute Baltimore, MD

- An astrophysics program led by Dr. Susan Kassin at Space Telescope Science Institute and Johns Hopkins University. Learned various astrophysical skills and worked with Dr. Svea Hernandez on a research project on analyzing the chemical composition of M83.

## Awards

2020 - Present **Honors College**, Towson University  
2021 - Present **Hill-Lopes Scholar**, Towson University  
2022 **L. Melvin Roberts Scholarship**, Towson University  
2022 - 2023 **Maryland Space Grant**, Maryland Space Grant Consortium (MDSGC)

## Skills

**Tech & Code** Java | Python | C++ | Web design - HTML, CSS, Javascript, Node.js | Database - MySQL, MongoDB, Excel  
**Astronomy** Telescope optics | Image/Data reduction & Analysis | Jupyter Notebook | Observations  
**Soft skills** Fast learner | Problem solving | Communication | Presentations  
**Interests** Art | Graphic design | Game design