


Britney Whittington

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

Education

**B.S. Expected Computer Science, Software Engineering Track**
Towson University

08/2020 - 05/2024
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
Towson University

08/2023 - Present
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
Towson University

08/2021 - Present
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
Towson University

08/2023 - 12/2023
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
Towson University

08/2022 - 05/2023
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
Dynamic Eclipse Broadcast

10/2023 - Present
USA

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

Summer Research Project
Towson University

Summer 2023
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
Towson University

2021 - Present
Towson, MD

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

Astro Scholars
Space Telescope Science Institute

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

Skills

Tech & Code

Astronomy

Soft skills

Interests

Java | Python | C++ | Web design - HTML, CSS, Javascript, Node.js | Database - MySQL, mongoDB, Excel

Telescope optics | Image/Data reduction & Analysis | Jupyter Notebook | Observations

Fast learner | Problem solving | Communication | Presentations

Art | Graphic design | Game design